

DRUG & CHEMICAL MARKETS

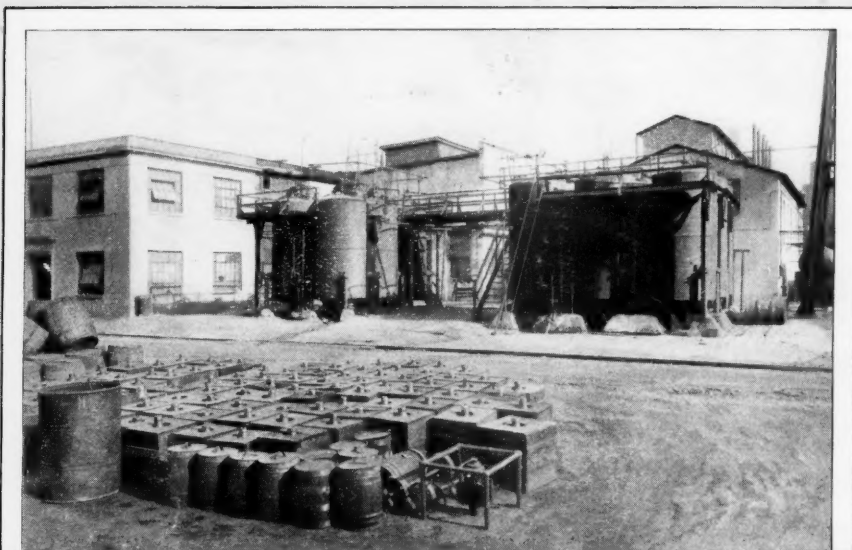
Established 1914

A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

VOL. XVIII

NEW YORK, APRIL 22, 1926

No. 16



A SECTION OF THE ANILINE OIL UNIT AT OUR BOUND BROOK FACTORY

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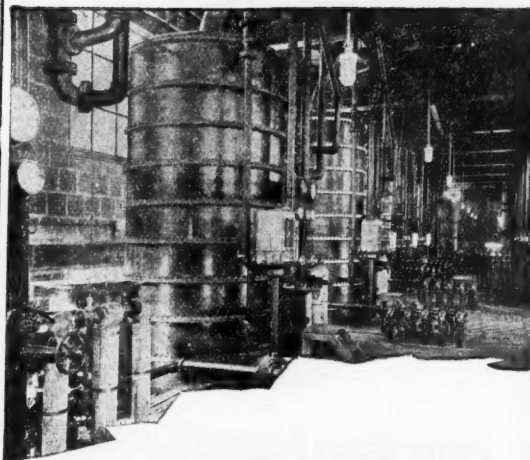
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DRUG & CHEMICAL MARKETS

VOL XVIII

NEW YORK, APRIL 22, 1926

No. 16

Over-Production—Pro and Con.

BENJAMIN FRANKLIN who, as Arthur D. Little said in a recent address, if he were no paragon was certainly a polygon—a plain figure with many sides—devised in his early youth a simple system for solving any pressing problem. It became his custom to write down all the alternative solutions listing under each all arguments pro and con. Thereby he was able to balance the arguments under each solution, striking out a pro and a con that offset each other, and thus he could quickly determine which decision had under it the best support of favorable fact.

THAT basic problem of our chemical industries—over-production—is infinitely more complex than any personal problem. It is the sum total of the problems of many business units from the vast manufacturing corporation with great plants, large staffs, enormous financial resources to the broker with a desk and a stenographer. But complicated as this problem is, involving as it does so many men and so much money, touching too, through the supply of their necessary raw materials, every industry in the land, will not solve itself. It is evidence of weak thinking to say, "We can do nothing: it will in time work itself out"; and of course, not a single executive, whatever he may say, acts on this spineless theory. The savage competition of today is proof positive that over-production does not cure its own evils. The solution will come as the sum total of the right decisions of all firms involved, and with their very

business existence at stake the leaders of the industry would do well to balance, by Poor Richard's method, the pros and cons of their production programs and their sales policies.

IT is as plain as two plus two or four minus three that this problem can be permanently solved only in two ways. Consumption may be increased or production may be cut down. Both methods will be used—indeed both are exerting their force today.

INCREASED consumption of chemicals is usually beyond the control of the chemical maker. Caustic soda is not like an automobile, sales of which are stimulated by lower prices. Sulfuric acid does not respond to sales effort as does chewing gum. New uses do open up new sales outlets, but these are without the industry, and better quality or lower price only substitutes one chemical for another in existing demand. To cut chemical output means only to shut down or divert present plant capacity. There are various ways and means of accomplishing these ends either by driving competition out of the industry or by taking it into combinations to form larger, stronger units within the industry. Plans and policies should be laid down with the definite end of expanding the market or of contracting the chemical output. These fundamental facts, pro and con, are underneath the chemical market situation. They are truly stubborn things.

WET AGITATION AND ALCOHOL

Just where does the industrial producer of alcohol stand to benefit or lose by all this clamor and din about prohibition enforcement that is now occupying so much time and space in the halls of Congress and in the columns of the daily press? Will his position be materially alleviated if Congress accepts this well organized publicity movement as the voice of the people and does permit the free manufacture and sale of light wines and beers? Disregarding as outside our commercial interest, the real core of the question, it seems that some such solution might possibly aid the legitimate manufacturer in some way.

Even if light wines and beers are permitted, the Government supervision of the industry and all that it implies in the way of checks and record keeping, cannot be lightened, as there will still be the possibility of diverting industrial alcohol to beverages of more potency than the suggested change will permit. If, as one side of the controversy claim, this change does lessen the tendency to obtain illicit liquor, that should certainly make it easier for the producer to do a legitimate business with less fear that his product is being diverted. This in turn should make it easier for the Government authorities to keep a close check on what legitimate alcohol is produced and should make them less suspicious of the regular producer. But close control must still be maintained. If on the other hand, the desire for high alcoholic content liquor persists and those who want it continue in their determination to get it at any cost, this slight letting down of the bars will only serve to accentuate the situation and as far as the industry is concerned, no benefit will accrue. Whatever the outcome of the present agitation may be, the industry stands to gain little.

The administration of alcohol will of necessity remain in the hands of Government officials and what concerns the industry most is not how much a man may drink, but how can legitimate business best co-operate with the Government to see that a man does not drink any more than he is permitted, and at the same time that the legitimate user has what he needs and can get it with a minimum of unnecessary detail. In order to function and be effective this co-operation must come from both sides.

The compliment of quotation is frequently paid to our editorials; but it is unusual to find them put to a commercial use. Just within this current week "The Farmer" and the "Chemical Trade Journal," of London have passed along to their readers editorial thoughts of ours, and also a most attractive advertising circular from the Hercules Kalon Company, of Boston, has come to our desk which quotes in full our editorial "Beautiful but Dumb." It is a matter of true gratification that one of our good subscribers has been able to make such practical use of material from our pages.

That agreements as to allocation of markets between foreign and domestic makers are made is not

generally supposed by the average consumer, but still such is not far from the truth. After all Republicans do favors for Democrats despite all the animosity aroused before the votes are cast, and the winning of an election only gives the victorious party the right to dictate its own terms more nearly. In a like manner the raising of a tariff in some instances merely gives the domestic factor a stronger voice in these conferences.

Ten Years Ago

(From "Drug & Chemical Markets," April 19, 1916).

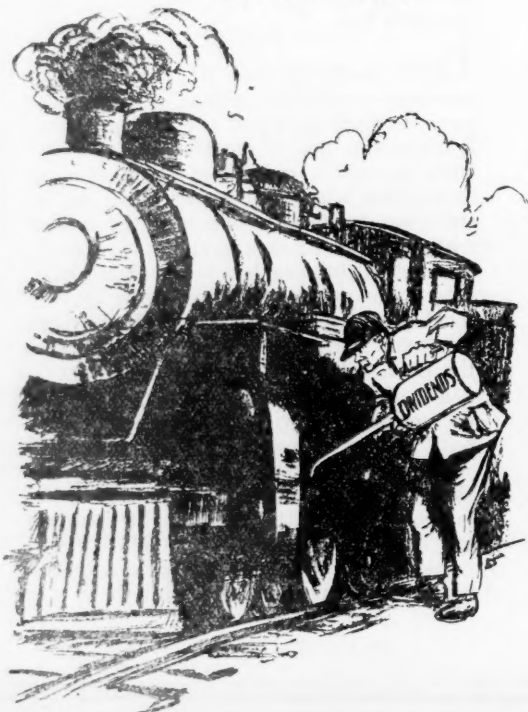
Protests against Great Britain's interference with our trade and our mails have been sent to Secretary of State Lansing by the German Apothecaries Society of New York as a result of action taken at its meeting last week.

The appropriation of \$15,000,000 for a Government nitrate plant was included in an amendment, which was proposed by Senator Smith of South Carolina and passed by the Senate last Friday. Mr. Underwood's amendment authorizing the Secretary of War to acquire any private process for extracting nitrogen from the air and to operate or lease a plant for making fertilizers was voted down.

Supplies of acetanilid on outstanding orders are being delivered more promptly by makers. Holders are quoting \$2.50 to \$2.60 a lb as to terms of sale.

A scarcity of spot stocks and a good inquiry for benzoic acid forced prices to a higher level. Holders are asking \$6.50 a lb.

BUT IT MUST BE KEPT GOING



San Francisco "Chronicle"

The Value of Deals in Selling Drugs*

Do Deals Help to Introduce New Products—Do They Aid in Eliminating Peaks in Sales?

W. W. SYKES
Hance Bros. & White

I HAVE been asked to discuss first, whether deals help the launching of a new item, and second, whether deals on established items bring about greater distribution, or whether they inject sales peaks and valleys into the selling picture. I will therefore present my views on this subject, based on my own experience, which views may, or may not, add anything worth while to the sum total of the knowledge that is being sought on this problem. My views on deals have been arrived at from two angles: twenty-seven years as a pharmaceutical traveling salesman and four years directing the sales efforts of pharmaceutical salesmen. From both of these angles I have become a firm believer in deals as an aid to greater distribution if the deals are properly timed and arranged.

Let us first define what is meant by "Deals," not only in our industry, but in all merchandising, and the simplest definition I can suggest is an extra inducement in the form of "something for nothing" as it were, and who is not eagerly interested in getting "something for nothing," even if the "something" is a pharmaceutical product? With this definition of "Deals" I can, from my viewpoint, discuss the first question:

Do deals help the launching of a new item? From my own experience, I can answer no; for until such time as a product has had sufficient seasoning to give it tangible value in the eyes of the dealer, as so much merchandise of a ready cash value, I think other methods of exploitation can be more profitably used, unless the deal, as it is presented, is in the form of some special advertising rather than discount or free goods. There are, of course, occasional exceptions to this thought, but they, in my opinion, are exceptional and not the rule.

Enhance Sales of Known Articles

About eighteen months ago we introduced a new product put up in two sizes, and limited our advertising to inserts in packages of other products, and some small amount of sampling, by which method introduction was slow, of course. After we began to get a small local demand we tried out, in our local area, the idea of a small deal to see, if it would stimulate dealer interest, but were soon convinced, of what we had previously really known, that the product was not sufficiently seasoned to make a deal of value from a selling standpoint, and we quickly withdrew it. But a year later, when we had been successful in getting anywhere from 1/6 of a dozen to a dozen in about 2,500 to 3,000 different stores through demand we had in this inexpensive manner created, we reintroduced the deal and were highly successful in "bumping up" 1/6 dozen buyers to 1 dozen buyers, and dozen buyers to 3 or 6 dozen buyers, thus giving not only distribution but sales considerable impetus, for it is axiomatic in all lines, that the more stock of an item a dealer has, the more interest he will evince in its display and sale, to the benefit of the manufacturer and himself.

*Paper delivered before the recent annual meeting of the American Drug Manufacturers' Association, in New York.

Of course, there are limits to the quantities of any product that should be forced on any dealer through the medium of "something for nothing" deals, but, on the other hand, I personally believe that there is more danger today in the tendency to under-buy than there is in over-buying, therefore, good timely deals assist a manufacturer in a great measure to offset the injury of this under-buying tendency. One of Benjamin Franklin's maxims was, "He who buys what he does not need will soon sell his necessities," but my theory is in over-buying, therefore, good timely deals assist a Franklin can be paraphrased to mean, "He who buys what he may at the moment not need will soon sell of necessity." Thus both parties to the transaction benefit, the dealer and the manufacturer.

Peaks Replace Valleys

As to whether deals inject peaks into the sales picture, my experience is that they do. If they are properly planned, deals should immediately inject a sales peak into the picture. In fact it is my conception, that they are launched with the idea of stimulating sales abnormally, and after a certain saturation point has been reached, there is, of course, bound to follow a reaction from this sales peak. But if the proper sort of merchandising assistance has been extended the dealer, this reaction soon flattens out and the chart line will assume a normal angle. A peak may be thus established on your sales chart that would have otherwise been occupied by a valley.

It is my further opinion, that deals should be so arranged as to appeal to all classes of buyers, and when the free goods deals are arranged, they should as far as possible be on the basis of unit shipping containers. For instance: 11/12 dozen sales with 1/12 dozen free, making a unit package of 1 dozen, are preferable to 1 dozen with 1/12 dozen free; a 2 3/4 dozen sale, with 1/4 dozen free, making a 3 dozen sale, is preferable to a 3 dozen sale with 1/4 dozen free, etc. Another method I have found successful with products marketed in more than one size, is to offer the free goods of a different size, and as large sizes usually pay commensurately higher profits than smaller sizes, and usually are not as readily sold as the smaller sizes, I have recently tried making our deals around the smaller sizes, with the free goods of the larger size. Where there are several preparations of what might be termed a family, like an ointment and a liquid, I have made the principal product the feature, and the lesser selling product the free goods offer.

Stop Seasonal Buying

In arranging deals we can with profit take a leaf from the book of the large successful department stores, making our deals, as far as possible, overcome seasonal valleys. We know of the special blanket sales staged by the department stores when the thermometer is hovering in the 90's, and we are equally familiar with their white goods sales when the thermometer is at zero. Now our products offer similar off-season opportunities for deals, for pharmaceuticals are, to a

large extent, as seasonable merchandise as Palm Beach suits or fur coats, and when we review records of the past, as to items in large demand in comparison with present sales, there is as much element of fashion injected into the picture of our business as there has been in hoop skirts and short skirts, all of which give us real opportunities to merchandise our products with deals successfully.

The drug business is now undergoing a decided change. Druggists are becoming more and more active merchandisers, so it will prove profitable to us, as manufacturers, to keep this fact in mind and address them in present-day language. Merchandising plans for the stimulation of sales and timely deals do, in my opinion, accomplish that result, for it gives to your salesman an opener as it were, something with which to start the order, and those of us who have sold pharmaceuticals up one street and down another, or in the town of one drug store, where you arrive at 6:30 A. M. and the next train out leaves at 2 P. M., know how very important this opener is. At the same time, we know how very difficult it has many times been to get that opener, until in desperation we have inwardly cried, "Oh that my house would give me some weapon with which to knock down these prospects." King Richard's lack of a horse was nothing, in the mind of the pharmaceutical salesman in such a predicament, when compared to his need of a good deal to assist him with some of these buyers, and while, unlike Richard, he has no kingdom to offer for the aid that he desires, he nevertheless has a lot more selling enthusiasm to give to his line when he gets this assistance.

Salesman's Tool

Sales territories in our industry are now, on the whole, pretty generally organized to allow, in fact require, that salesmen call regularly and often on their customers. In some centers of dense population and easily covered sections, so regularly are visits timed that I have known of instances, where a keen competitor would jump his own pasture on a Monday and spoil what would have otherwise been pretty good grazing for the other fellow who, observing the regular rule of his route, was arriving Tuesday. But that is incidental, possibly accidental, to the Tuesday fellow who lost out. The point I want to stress here is that on account of this regularity and frequency of calls, unless the sales plans are occasionally gingered up with specials and deals, your salesman develops into an order taker rather than a salesman, and the trade subconsciously get the same idea and can, in fact, delegate the purchasing of your products to the junior clerk. All of this tendency is eliminated when you intersperse your selling program with merchandising deals.

Deals, therefore, should prove as profitable in our industry as in any other industry. In fact so firmly convinced am I that deals are beneficial in our industry, that in getting out a new product, if it were a question of pricing it at what might be termed a sub-normal price rather than a standard price, I feel I would rather go to the other extreme of over-pricing, so that attractive deals could from time to time be arranged that would produce a normal price. This, however, I cannot now conceive as ever necessary, for the reason that free goods or special discounts, as given in deals, are to my mind as legitimate as an advertising charge as any other form of advertising that can be assumed.

While in a general way deals are particularly applicable to specialties and trade-marked items, I do not feel that they have to be confined to that class of products, but can be made applicable to almost anything we make if properly timed and arranged.

HIGHER PRICES SEEN FOR NAVAL STORES

(Special to DRUG & CHEMICAL MARKETS)

Savannah, Ga., April 20—Pine Products Export Co., give the following information on the naval stores market: "The naval stores crop is somewhat late this year owing chiefly to the delayed Spring weather, but the trees have had a good rest during the exceptionally long Winter and late Spring and will most probably run fine in a short time.

"Notwithstanding the strong statistical positions in this country as to present available stocks in sight, our market has been manipulated downward. Still, the usual demand at this time of the year has not yet appeared. All are waiting to try and get in at the bottom and doubtless many will be sadly disappointed, for as soon as the large interests have accumulated fair stocks during the dull periods, prices will most probably be advanced sharply.

"The average consumer does not appear to believe in this old maxim of business, viz. 'When nobody wants to buy is the logical time to step in and get supplies; and when everybody is eager to purchase is the time to be in position to sell.' There never was a merchandizing profit in dealing in rosin and turpentine. It is purely speculative and prices are manipulated at the will of certain interests.

"The crop will be about the same as last season, for what is lost in Florida will be gained back in this territory, as the good old state of South Carolina is coming back strong with the new growth timber during the past 20 to 25 years."

MUSCLE SHOALS FOR NATIONAL DEFENSE

Thomas W. Martin, president of the Muscle Shoals Power Distributing Co. has made public a statement to the effect that the object of the affiliated public utility companies of the South, in submitting proposals for the leasing of Muscle Shoals was first of all the guaranteeing of adequate production of nitrogen, primarily as a measure of national defense, second as a benefit to agriculture through the manufacture of fertilizer, and third the distribution of surplus power to the public under regulation. Mr. Martin stated that he was making this statement in view of the impressions which might be gained from some newspaper accounts that the affiliated utility companies are mainly concerned with power distribution.

He furthermore stated that all the power to be generated will be used for national defense and fertilizer production, and will be devoted to that purpose if the needs of the United States and the demands for fertilizer require.

The Mid-West Shippers Advisory Board held its second annual meeting on April 16 at the Edgewater Beach Hotel, Chicago. In reporting on the "acid and chemical" section, H. S. Snow, chairman, said that business conditions in general are good with the fertilizer people having an unusually fine year and in consequence there has been a heavy demand for the low grade acids. Other industries have been taking the average quotas of acids. He further stated that the conditions in the chemical trade, on the basis of freight moving, are apparently about normal.

M. R. Walczak, formerly chief chemist in charge of production of the plants of the Barrett Co. in the Chicago district, is now assistant planning supervisor in the general manufacturing department at the general office of the Barrett Co., 40 Rector st., New York City.

Drug Manufacturers Stress Co-operation

Garvan Calls Attention to Need for Effective Warfare Against the Common Cold—Present Officers Re-elected—Sales Problems Discussed at Some Length—To Issue Manual on Cost Accounting as it Affects Drug Manufacturers—Plans for Public Education Discussed—Annual Banquet Well Attended

THE fifteenth annual convention of the American Drug Manufacturers' Association was held at the Hotel Biltmore, New York, Monday to Thursday inclusive, last week. The first two days of the meeting were devoted principally to section meetings and were reported in detail in last week's issue of DRUG & CHEMICAL MARKETS. The keynote of the meeting was the need for even greater co-operation than has been used in the past, although it was generally pointed out that rapid strides in that direction have been made during the past few years.

The morning session of April 14 was devoted almost exclusively to the discussion of sales problems, led by Turner F. Currens, chairman of the committee on sales problems. Among the points which he brought out in his report were: the progress made among pharmaceutical manufacturers in refusing to take advertising space in occasional publications, and the fact that subsidized advertising does not pay according to the consensus of opinion; the problem of how to meet requests for merchandise to be used in charitable work; the need for some policy in meeting requests for donations from hospitals; the value or lack of value of maintaining elaborate exhibits at meetings of State Pharmaceutical Associations; and the value of maintaining one price for all customers instead of making special concessions. He pointed out that the problem of returned goods was much broader than had been indicated in the biological section where the problem of returned biological goods was discussed in detail. The trend of his argument on all of these points was that still greater co-operation is needed among manufacturers in adhering strictly to certain policies.

He also discussed in some detail the problem of how to stop the big parade of salesmen and eliminate the high cost, due to rapid turnover of the sales force. In this connection he suggested that bonding the salesmen with a reputable bonding house or employing men who had come up through the factories or branch houses, were both helpful means. There was also brought up the question of establishing a central bureau where records of pharmaceutical salesmen could be kept for reference purposes.

In the absence of Dr. F. B. Kirby his report on "Sales Literature" was read by Mr. Frailey, Secretary of the Association. This paper pointed out the rapid growth of general business literature during the past few years and stressed the importance of selecting good material for study and perusal.

Reports of Sections Read

Dr. A. R. L. Dohme, Chairman of the Pharmaceutical and Surgical Dressings section gave his report of the section meeting at this session also. He indicated a certain amount of progress in the standardization of bottles, in the simplification of catalogues and in the work of establishing tolerance for hypodermic tablets which has been carried out by the contact committee in conjunction with Government committees. W. W.

Sykes read a paper on "Deals" which is reported in fuller detail elsewhere.

In the afternoon session, N. H. Noyes, Chairman of the Committee on Uniform Cost Accounting, reported on the work performed by that committee during the last two years, and stated that the results of their work would be published in the form of a manual probably by the early Fall of this year. He recommended that members of the association adopt the suggestions which had been incorporated in this manual as far as possible.

Hatcher Addresses Group

Dr. Robert A. Hatcher, professor of Pharmacology at Cornell University Medical College, delivered an address on the "Relation of Pharmacology to Rational Therapeutics" in which he pointed out the necessity for a more complete knowledge of the pharmacological properties of medicines. He indicated that the biological analysis for the remedy does not of necessity measure its therapeutic activity. He brought out that the crying need of the industry was for uniformity in finished products, which at present has been attained in very few instances. In the discussion of this report it was brought out that it was practically impossible for manufacturing houses to obtain the full time service of a reliable pharmacologist on account of the fact that the Association of Pharmacology admits no member who is engaged in commercial work.

S. DeWitt Clough, chairman of the committee on education, reported that the work of the committee during the past year had been mainly along the lines of paving the way for more general education of the public. He pointed out the necessity of informing druggists and doctors of the work which is being done by the association and of informing the public on the needs of periodic examination, consulting with their doctors, and the value of drugs as compared with the drugless cults. He also indicated the need of convincing doctors that they should supply clinical data for the purpose of advancing research in manufacturing lines. He made mention of a pamphlet entitled "Your Druggist" which had been prepared by the committee and sent to the manufacturers for their approval. Discussion brought out the fact that most manufacturers felt the information in this pamphlet would be very good for the public but they could not agree as to the form in which it should be distributed. Mr. Clough pointed to the great interest of the lay press on recent development of medicines, surgery and therapeutics.

Seek Purchasing Agents' Section

J. C. Lewis, purchasing agent for E. R. Squibb & Sons, made an appeal for a section or committee of the association to discuss the problems of purchasing agents, pointing out that these agents spent from 30% to 50% of the firms' money and had many problems in common which could be discussed and on which an exchange of ideas should prove of value. Some of these problems were the need for standard containers; definite forms for contracts; some definite policy as to allowance for tares; policy on variations and trade practices; problems that arise in foreign trade, such as export duty, etc.; closer check and development of sources of supply; problems of reciprocal buying; methods and office routine work, etc.

R. R. Patch, in a report of the committee on Patents and Trade marks, pointed out the value which had al-

ready accrued, from the bureau of registration of pharmaceutical trade marks and urged the need of all firms supplying information on their trade marks, so that this information could be complete.

Kerro Knox, chairman of the committee on foreign trade reported on the various legislative actions taken during the past year by foreign countries which affected directly the merchandising of products of members of the association. Most of the legislation took place in South America and consisted of additional tariff, requirements for registration of formulae and anti-dumping laws.

Garvan Deplores Prevalence of Colds

The session in the morning, April 15, was featured by the address of Francis P. Garvan, president of the Chemical Foundation. He stated that the common cold was the greatest disgrace to the American nation and appealed to the association to appoint a committee to co-operate with similar committees through the Foundation to make a careful study of the causes of common colds and possible weapons to be employed against them. The matter was referred to the executive committee which authorized the appointment of such a committee. In his address, Mr. Garvan pointed out that the economic loss due directly or indirectly to colds was enormous amounting to an average of ten days per individual per year. This session was also addressed by N. W. Haynes, publisher of *DRUG & CHEMICAL MARKETS*, who dealt with the market conditions during the past year. Reports were heard at this session from Chas. G. Merrell, councillor of the Chamber of Commerce of U. S. A., who dealt principally with the recent referendum held on price maintenance; A. T. Rickards of the committee on insurance, who dealt with additional data and new developments in insurance during the past year; again from Chas. G. Merrell, chairman of the committee on code of ethics, dealing with the general policy of the golden rule and honesty; and from the nominating committee.

The afternoon session, which was the last business session of the convention, was very brief and consisted of a report from W. G. Norvell on transportation, the election of officers and a few announcements. Mr. Norvell dealt in some detail with the actual and proposed schedules on transportation of explosives, and pointed out that through the activities of his committee the use of cardboard containers was more widely permitted.

Annual Banquet Held

The present incumbents in office were re-elected as follows: President, Dr. S. R. Light, The Upjohn Co.; first vice-president, Oscar W. Smith, Parke, Davis & Co.; second vice president, Charles G. Merrell, The Wm. S. Merrell Co.; third vice president, Ralph R. Patch, The E. L. Patch Co.; and treasurer, Franklin Black, Charles Pfizer & Co. The additional members of the executive committee were S. B. Penick, S. B. Penick & Co., re-elected; Dr. J. F. Anderson, E. R. Squibb & Sons, re-elected; N. H. Noyes, Eli Lilly & Co.; and A. Homer Smith, Sharp & Dohme.

The annual banquet was held at the Hotel Biltmore at 7 o'clock and was attended by about a hundred and fifty members and friends. U. S. Senator C. C. Dill, Washington, spoke at this time on the Government as a business institution. H. V. Kaltenborn, associate editor of the Brooklyn Daily Eagle, also spoke, giving a very comprehensive view of foreign affairs, and pointing out the large part which United States is playing either officially or unofficially in world politics. Dr. John L. Davis followed this with a humorous talk in which he pointed out the unlimited opportunity for personal advancement afforded in this country.

FEBRUARY METHANOL PRODUCTION DOWN

Total 608,385 Gal., Lowest Since September 1925—Shipments Higher—Canadian Production Also Down—Shipments and Production of Acetate of Lime Decline in This Country and Canada

(Special to *DRUG & CHEMICAL MARKETS*)

Washington, D. C., April 21—Domestic production of methanol declined in February to 608,385 gallons, the lowest point since last September, an increase in shipments to 788,797 gallons from 661,123 gallons in the preceding month brought stocks at the end of February down to 1,160,326 gallons as compared to 1,358,541 on January 31, according to the monthly report of the Commerce Department.

Canadian production declined to 42,705 gallons from 45,917 in January; shipments increased to 46,554 from 39,572 gallons; and stocks at the end of the month totaled 48,830, as compared to 48,787 gallons at the end of January.

Both production and shipments of acetate of lime declined in February. Output totaled 11,663,819 pounds against 13,516,733 pounds in January; shipments amounted to 9,459,775 pounds as compared to 11,037,725 pounds in the preceding month; and stocks on February 28 totaled 18,791,980 pounds against 17,178,374 pounds at the end of January.

Canadian production of acetate of lime in February totaled 1,010,391 pounds, as compared to 1,163,593 pounds in January. Shipments declined to 534,398 from 566,369 pounds in January, stocks increasing to 1,836,449 pounds at the end of February as compared to 1,296,810 pounds on January 31.

CABOT TO INCREASE PRODUCTION

Godfrey L. Cabot, Inc., announce that they will double the size of the factory making the B Elf brand, and increase the factory manufacturing the Kalista carbon black 50%. Both factories are located at Cabot, near Seth, W. Va. The company owns over 20,000 acres of natural gas land, with 31 gas wells, and have 24 miles of pipe line to convey the gas into their factories. This is one of the many gas fields owned by this company, totalling over 100,000 acres of gas lands. In West Virginia alone the company owns 450 miles of gas mains and 257 wells.

California State Fish and Game Commission is prosecuting the Mason By-Products Co. of Sausalito on the charge of polluting the waters of San Francisco Bay. The company was fined \$200 a month ago by Judge Paul Helmore at Sausalito and given thirty days in which to stop pollution of the water. It is charged that the order has not been complied with.

Washington, D. C., April 21—An investigation has been ordered by the Tariff Commission, under paragraph 316, unfair competition, in connection with rates on synthetic phenolic resin, according to an announcement just made public.

National Pharmacal Co. has been awarded the contract by the Bureau of Supplies & Accounts, Navy Department, for furnishing various navy yards with 14,000 pounds of black marine glue at \$355.50, bids for which were received on March 23.

Chemical Club of Philadelphia had its usual monthly meeting at the Adelphia Hotel, Monday, April 12. Two new members were elected, The Drugs, Oils and Paints. George B. Heckel, editor and publisher; and Merck & Co., R. G. Anderson, local manager.

ALCOHOL BEING EXPORTED TO CANADA

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., April 19—Diversion of industrial alcohol in the United States has reached such startling proportions that some of it now is being exported to Canada to enable purchasers there to escape payment of the Canadian tax, Emory R. Buckner, Federal District Attorney for New York, told the subcommittee of the Senate Judiciary Committee which is considering modification of the law.

In response to questioning by Julien Codman, attorney in charge of the presentation of testimony in support of modification, Mr. Buckner told of the situation in New York with respect to padlock proceedings against violations of the dry laws, diversion of industrial alcohol and abuses of the medical prescription system. He declared, prohibition could be enforced if the proper machinery were provided. Lack of proper court facilities hampers enforcement, he said, declaring that when he assumed office, he found more than 50,000 alleged violators of the Volstead act being haled into Federal courts by local police and Federal agents. The court could not handle the flood of work and as a result there was corruption on a large scale, he said.

Petty arrests are continuing, he said, because the police are making arrests for violation of the prohibition laws as a means of breaking up criminal resorts and are otherwise using the prohibition law as a lever for dealing with other classes of crime.

CHEMICAL FREIGHT RATES CHANGED

Freight rates on crude drugs and chemicals of various kinds were passed upon in a decision issued by the Interstate Commerce Commission, April 15. The minimum weight of 60,000 lbs., applied on shipments of myrobalans, wattle bark and divi divi pods from New York to Morgantown, N. C., which had been imported from India and South America for use in the manufacture of tanning extracts was found to be inapplicable, and the commission said that some of the shipments had been overcharged and some undercharged.

Rates of \$2.665 and \$2.40 per 100 lbs. on imported pyrethrum flowers, in carloads, from various western points to Minneapolis, Minn., there ground and the product shipped to Winona, Wis., were held inapplicable to the extent that they exceeded \$1.945 per 100 lbs. However, the rates have now been reduced to \$1.75.

The six-class rate of 33.5 cents of shipments of crude feldspar, in carloads, from New York to Cleveland have been found unreasonable to the extent that it exceeded 22.5 cents. A rate of 25 cents from the same place to Manchester, Conn., was found unreasonable to the extent that it exceeded 19 cents.

A rate of \$2.625 per 100 lbs. for carload of carbide of calcium from Duluth, Minn., to Kingman, Ariz., was tent that it exceeded 19 cents.

The Philippine copra market continues its upward tendency, with production very low and demand greatly in excess of the supply, reports Trade Commissioner O. M. Butler. Three oil mills are now operating continuously and the fourth intermittently. The present provincial equivalent of rescado (dried copra) delivered at Manila is from 16.25 pesos (\$8.125) to 16.50 pesos (\$8.25) per picul of 139 pounds. The abaca market has continued quiet for the past week. Outside demand is lacking and the lower prices are only nominal. Grade F is quoted at 36 pesos per picul; I, 34 pesos; JUS, 27; JUK, 19; and L, 16. Production of abaca is good. Money circulation of the Philippine Islands in the month of February was 3,000,000 pesos (\$1,500,000) above that of the same month last year.

TO EDUCATE PUBLIC ON SANTONIN

L. Gildesgame, of Eastern & Russian Trading Co., Ltd., Here Initiating Educational Campaign—Will be Directed Particularly to Veterinary Use—Says Santonin is Cheapest, Most Efficacious and Safest Vermifuge in Practice

L. Gildesgame, Managing Director of Eastern & Russian Trading Co., Ltd., London, is now in this country initiating an extensive campaign of public education in the use of santonin as a vermifuge. When interviewed by a representative of DRUG & CHEMICAL MARKETS he stated that, while United States is the second largest consumer of santonin, its use in this country has not begun to approach its possibilities. Japan is the largest consumer on account of the prevalence of intestinal parasites there, and its use in that country is entirely for human consumption. Consumption in this country has been large for humans up to within the past three or four years, when its use for veterinary purposes has begun to become more common. It is to this particular channel of consumption that the present campaign of education is being directed, and the campaign will begin with advertisements appearing in farm journals all over the country. From there it will progress up through the retail, wholesale and manufacturing suppliers. Such a campaign has just been successfully staged throughout Europe and the results there have been highly gratifying.

"One common misapprehension that we have to combat," said Mr. Gildesgame, "is that santonin is an expensive remedy. As a matter of fact, when you consider that there are from three to four thousand complete cures in one pound of santonin, it is the cheapest vermifuge available." As to its efficacy and safety, Mr. Gildesgame has compiled and is prepared to present to the public, a mass of testimony gathered from standard works on veterinary and medical practice showing that santonin is not only the most efficient vermifuge, but also does absolutely no harm to the patient. He further pointed out that the price of santonin has been reduced about 40 per cent since June 1923 and now is probably fixed in price at its lowest level. He expects it to remain stable at its present price.

COCOANUT OIL MILK ADULTERANT

Cocoonut oil, which is said not to contain the necessary vitamins for the health of children, was used as an adulterant of sweet and sour cream in large quantities in New York, until the recent investigation ended the practice, according to Health Commissioner Louis I. Harris of that State.

Lambert Pharmacal Co.'s advertising of Listerine has been so satisfactory, according to a statement by Gerard B. Lambert, president of the company, that over \$3,000,000 will be appropriated in the present year for advertising. Last year \$2,100,000 was spent for this purpose and in the three years previous advertising expenditures aggregated \$2,300,000. Net profits have increased from \$724,542 in 1921, when the company started advertising with a very small expenditure to \$2,011,940 in 1925.

White pine blister rust is the subject of a bill introduced by Representative Johnson of Washington, proposing an appropriation of \$140,220 for control of the blight.

A. E. Staley Mfg. Co., Decatur, Ill., directors and officers were re-elected at the recent annual meeting. An appropriation of \$500,000 for a new power plant was voted.

NEW AGREEMENT ON POTASH MARKET

New Allocation of Markets Will Be Effective May 1—French Determined to Increase Output by Increasing Size of Market—Considerable Research Being Conducted

Washington, D. C., April 21.—Announcement has been made at the Berlin headquarters of the German Potash syndicate of a seven-year agreement between the German Syndicate and the French Societe Commerciale des Potasses D'Alsace, covering foreign potash trade, states a cabled despatch to the Commerce Department from Commercial Attache Allport, Berlin. The agreement is said to have been made on the night of April 11 at Lugano, a small lake town in Switzerland, near the Italian frontier.

The agreement will become effective May 1 and is to replace the current provisional agreement expiring on that date, which divided the world's potash markets outside of Germany, France, and French colonies and protectorates in the ratio of 70% of the trade to Germany and 30% to France.

According to information now available in Berlin, Germany retains the German market and France the French market, including her colonies and protectorates. The ratio deliveries in the American market remain unchanged at the present time, but future ratios for all markets with the exception of France and Germany, are dependent upon the extent to which potash sales increase. That the Franco-German producers are determined to increase the world's trade in this important commodity is evidenced by the fact that they have agreed to strengthen their sales organizations and extend their scientific research in all countries.

It was originally reported that the provisional compact, which was entered into on May 7, 1925, was binding until August 30, 1926, states C. C. Concannon, Chief of the Chemical Division of the Commerce Department. The 1925 compact was the outcome of negotiations brought about by the breaking of the German potash monopoly through the cession of Alsace to France. While complete details of the 1925 agreement were not received in the Commerce Department, it is understood that one of the clauses provided that the Alsatian potash industry agreed not to use the period of the provisional compact as an opportunity for preparation in re-enforcing itself for a renewal of its after-war competition. It also agreed to refrain from all further expansion of its local exploitations, as far as such exploitations would enter into competition with the allotted economic outlets for the German output. Hence no new mines would be opened, and the number of pits now being worked would not be increased during the existence of the new pact.

In consideration of this concession, the German industry agreed to establish in common accord with the Alsatian industry, a scale of prices high enough to assure a profitable operation of the Alsatian mines.

Zinc pigments and salts sales by domestic manufacturers for 1925 aggregated a value of \$42,982,145 as against \$37,953,110 in 1925, according to compilation by the Bureau of Mines. The products covered by reports include lithopone, zinc oxide, leaded zinc oxide, zinc chloride and zinc sulfate. An increase is shown in every product except zinc chloride in which there was a loss of 11%. This loss was offset by a gain of 10% in the value of a ton. Sales of lithopone and zinc oxide were the largest in the history of these industries, making gains of 32% and 17% respectively over 1924. The average ton value was less than that of the preceding year.

WHO'S WHO — in the Chemical Industry

J. Payson Bradley, pres., Kehew-Bradley Co., Boston, Mass. Born: Methuen, Mass., June 7, 1848. Mar.: Emma Frances James, Boston, Feb 27, 1873. Educat.: Public schools of Methuen and Lawrence, Mass. Business: Entered employ of Downer Kerosene Co., 1866. He acted as engineer and draftsman for the New England Liquid Fuel Co. in 1868 and while so employed invented and in connection with Lieut. Stymers, U. S. N., perfected the first successful oil burner, the basic principle of which is used today. Mr. Bradley enlisted at the outbreak of the Civil War when only 13 yrs. of age and served throughout the war with the 1st Mass. H. A. Served in artillery branch of Mass. militia as adj. Appointed by Governor as asst. adj.-gen. of Mass., with rank of col. Served as chmn. of Boston Schoolhouse Commission. Member: G. A. R., (served as adj. and commander of post, acting asst. adj.-gen., asst.-inspector-gen. of the Dept. of Mass., dept. commander, nat'l. inspector-gen., chief of staff to commander-in-chief, member of Nat'l. Council of Administration and chaplain of post; declined to be candidate for position of commander-in-chief), Boston Chamber of Commerce, Military Historical Society of Mass., Nat'l. Geographic Society, Bostonian Society, Society of the Army of the Potomac, Old South Church, Algonquin and Exchange Clubs, Y. M. C. A. and Masons.

Charles Lathrop Parsons, secy., Amer. Chem. Soc., chemist and educator. Born: New Marlboro, Mass., March 23, 1867. Mar.: Alice Douglas Van Ettenville, N. Y., Dec. 29, 1887. Educat.: Cornell Univ. (B. S. '88). Business: Ass't chem. N. H. Experiment Sta.; instructor chemistry N. H. Coll., 1890; prof., 1892; 1911, chief of Div. of Mineral Technology, U. S. Bureau of Mines. Made investigations which resulted in establishment of Nat'l Radium Inst. In 1916 co-op. work Bureau of Mines, Semet-Solvay Co. and Ordnance Dept. U. S. A. developing methods of oxidizing ammonia to nitric acid. In 1916 transferred to Ordnance Dept. and toured Europe. Erected plants for manufacture of nitric acid and sodium cyanide, and had charge of large cyanide plant at Saltville, Va., served on the Nitrate Commission, 1917-1918. Memb. advisory board Gas Warfare. Entered private practice 1919. In 1919 v. p. Brussels Int'l Union of Pure & Applied Chem and U. S. Rept. at the Conference, Rome, 1920. Member: Cosmos Club, Washington; Chemists' Club, N. Y.; the Amer. Chem. Soc.; Soc. of Chem. Ind.; Soc. Chimie Industriel; Washington Acad. of Science; Sigma Xi; Alpha Chi Sigma; Lambda Upsilon; Kappa Sigma; fellow of Amer. Ass'n for Advan. Science. Chairman, Inorganic Chem. Div., 8th Int'l Congress of Applied Chem. Honorary Degrees, D. Sc. (Maine 1911) Univ. of D. Chem. (Pittsb. 1914); Nichols Medal 1904. Officer of Legion of Honor 1925.

Fallis Wales Smart, pres. Fallis, Inc., dist. mgr. The Fries & Fries Co., Cincinnati, O. Born: Harveysburg, O., July 2, 1890. Mar.: Agnes Hausman Feb. 14, 1914. Educ. High School, special chem. courses. Business: The Fox Paper Co. (asst. supt.) 1911-1916; The Edward J. Shannon Co. (sales mgr.) 1916-1918; Marden, Orth & Hastings Co. (dist. mgr. Cincinnati office) 1918-1921; The Fries & Fries Co. (office mgr. & dist. mgr.) 1921 to date. Member: Chicago Drug & Chem. Assn., Knights of Pythias, Blue Lodge, Scottish Rite & Mystic Shrine (Masonic). Hobbies: Baseball and golf.

The Industry's Finances

U. S. INDUSTRIAL DOING

WELL, SAYS PRESIDENT

Chemical Company Doing Best in History—British Dyestuffs to Reduce Capital—International Agricultural Corp. Expects Good Year—American Chiclé Reports

FOREIGN EXCHANGE	Par	Current
Great Britain (pound sterling).....	4.866	4.86
France (franc).....	.193	.034
Italy (lira).....	.193	.042
Belgium (franc).....	.198	.037
Czechoslovakia (crown) per hundred.....	20.30	2.96
Denmark (krone).....	.268	.262
Germany (mark).....	.258	.258
Holland (florin).....	.402	.401
Poland (zloty).....	.193	.110
Norway (krone).....	.258	.219
Spain (peseta).....	.193	.143
Sweden (krone).....	.268	.268
Switzerland (franc).....	.193	.193
Argentina (peso).....	.4	.400
Brazil (milreis).....	.324	.139
Japan (yen).....	.499	.466
India (rupee).....	.485	.361
China (Silver dollar, Hongkong).....	.789	.546
(Tael—Shanghai, silver).....	1.986	.706
(Tael—Peking, silver).....	1.146	.750

H. S. Rubins, President of the United States Industrial Alcohol Co., speaking at the annual stockholders' meeting, recently declared that although the company was in the midst of a trade war conditions were fairly encouraging. "We are doing very well," he said, "and our United States Industrial Chemical Co., our subsidiary, is doing better than at any time in its history. Foreign competition, which is not direct except to a limited extent as a solvent, has not interfered with the expansion of our business."

American Linseed Oil Co. on Dec. 31, 1925 had current assets of \$12,463,075 as compared with \$13,701,145 on Dec. 31, 1924. Current liabilities at the end of 1925 were \$1,575,493 against \$10,541,906 the year before, leaving net working capital of \$10,887,582 as compared with \$3,159,239. The consolidated balance sheet of the corporation shows total assets of \$47,963,274 of which \$34,400,330 are listed in the property account.

By-Products Coke Corp. reports net earnings of \$292,633 without deducting depreciation and Federal taxes for the month of March. This compares with \$150,642 for March, 1925. Net earnings for the first quarter of this year before deducting depreciation and Federal taxes were \$886,818 as against \$169,864 in the same period last year.

American Chiclé Co. earned a net income for the first quarter of this year \$293,900 after interest, depreciation and Federal taxes, against \$256,357 for the same period in 1925. The income for this year is equal, after provision for dividends on 7% prior preference and 6% preferred stocks to \$1.21 a share on the common stock outstanding.

Peoples Drug Stores, Inc., reported sales of \$473,696 for the month of March, 1926, as against \$436,658 for the same period of the previous year.

BRITISH DYESTUFFS TO REDUCE CAPITAL

British Dyestuffs Corp., Ltd., will reduce its capital stock and effect a rearrangement by permission of the Chancery Division of the High Court, of London. The existing capital is £10,000,000. Under the scheme as approved the capital is reduced to £4,421,532, of which \$2,841,396 is cancelled as lost or unrepresented by available assets, and £1,580,136 will be paid off in cash to certain shareholders. In exchange for its holdings of 1,700,000 shares the Government will receive £600,000 in cash. It will also relinquish all control of the company which will be started as an ordinary private undertaking.

Sterling Products, Inc., has increased its dividend to \$.125 per share for the quarter, raising the annual basis to \$5.00. Up to this time a quarterly dividend of \$1.00 has been paid.

Securities Quotations

Closing Prices for Week Ending April 17, 1926

	Bid	Asked		Bid	Asked
*Air Reduction.....	110	111	Hercules Powder.....	145	150
*Allied Chem & D.....	109 1/2	109 3/4	Hercules Powd. pf.....	113	115
*Am Ag Ch.....	19 1/4	20 1/4	Heyden Chem.....	2 1/4	—
*Am Ag Ch pf.....	62 1/4	63 1/4	Hooker Electro.....	20	27
*Am Chiclé.....	36 1/4	38 1/4	Hooker Electro pf.....	68	72
*Am Chiclé pr pf.....	90	92 1/4	*Household Prod.....	42	44
Am Cyan A.....	41	46	*Int Agricult.....	16	17
Am Cyan B.....	39	43	*Int Agricult pf.....	87	87 1/2
*Am Druggist S.....	5 1/4	6	*Int Nickel.....	34 1/4	34 1/2
*Am Glue.....	47	50	*Int Nickel pf.....	35 1/4	36
*Am Glue pf.....	106	109	*Int Salt.....	75	80
*Am Linseed.....	30	31	Lehn & Fink Prod Co.....	31 1/2	32
*Am Linseed pf.....	80	81 1/2	*Mathieson Alk.....	70	71
*Am Metal.....	49 1/2	50	*Mathieson Alk pf.....	100	—
*Am Metal pf.....	115	—	MacAnd & Forbes new.....	39	—
*Am Zinc.....	7 1/4	7 1/2	MacAnd & Forbes pf.....	101 1/4	103
*Am Zinc pf.....	30 1/4	31 1/4	Merck & Co.....	54	56
Anglo-Chilean Nitrate Corp.....	23	24	Merriman.....	84	86
*Archer Dan Mid.....	38 1/2	39	Mulford Co.....	30	33
*Archer Dan Mid pf.....	100	102	*National Lead.....	138	139 1/4
*Atlas Powder.....	55	55 1/2	*National Lead pf.....	117 1/4	118
*Atlas Powder pf.....	93 1/2	95 1/2	Niag. A. pf.....	80	85
By Prod Co.....	46	49	N. J. Zinc.....	203	206
By Prod Co. pf.....	102	105	Parke, Davis & Co.....	114	—
Caleo Chem pf.....	25	35	Penn Salt.....	71	—
Canad Ind. A.....	16 1/4	—	*Peoples Gas Chl.....	118 1/2	119
Canad Salt.....	105	115	Procter & Gamble.....	145	150
Caselin Co.....	150	160	Procter & Gam, pf.....	156	158 1/2
Celluloid Co.....	22	25	Royal Bkg. Powd.....	165	175
Celluloid Co. pf.....	65	70	Royal Bkg. Powd. pf.....	100	102
*Certain-teed Prod.....	41 1/2	42	Shawinigan.....	170	—
Charcoal Iron.....	10	20	Sherwin-Will 1st pf.....	106	110
Ches. Mfg. Co.....	68 1/2	69	Silica Gel.....	20	—
Ches. Mfg. pf.....	113	—	Squibb & Sons.....	45	—
Clark Co., Fred.....	2 1/4	4	Squibb & Sons pf.....	120	—
Cleve Cliff Iron.....	70	75	*Sterling Prod.....	80 1/4	81 1/4
*Corn Silv. A.....	131	133	Swan & Finch.....	19 1/2	21
Do B.....	128	132	Swan & Finch pf.....	20	30
*Corn Products.....	38 1/2	38 3/4	*Tenn C & Chem.....	113 1/2	115
*Corn Products pf.....	124	126	*Tex Gulf Sol.....	128 1/2	129
*Davison Chem.....	32	32 1/2	Union Carbide.....	80	80 1/2
*Davison Chem pf.....	43 1/4	43 1/2	*Un Drug.....	136 1/2	138
Dew Ch., pf.....	98	102	*Un Drug 1st pf.....	58	57
Dow Drug Co.....	140	—	*Un Dyewood.....	10	12
Dow Drug Co., pf.....	105	108	*Un Dyewood pf.....	59	59
*Du Pont Deb.....	100 1/2	101 1/4	Un Gas Imp.....	128	132 1/2
*Du Pont de Nem.....	195	197	Un Gas Imp, pf.....	58 1/4	—
*Eastman Kodak.....	109	109 1/4	U S Gypsum.....	154	155 1/4
*Eastman Kodak pf.....	113	—	*U S Indus Al.....	47	48
*Freeport Tex.....	24 1/2	24 1/2	*U S Indus Al pf.....	105	108
*Gen Asphalt.....	59 1/4	60	Va Car Ch.....	17 1/4	17 1/2
*Gen Asphalt pf.....	103	105	Va Car Ch 6% w.l.....	60 1/4	60 3/4
*Gold Dust.....	43 1/2	44 1/4	Vick Chem.....	45 1/2	45 3/4
Grassell.....	125	130	Will & Baumer.....	16 1/2	—
Grassell, pf.....	101	103			

*Listed on New York Stock Exchange

*Listed on New York Stock Exchange

INTER. AGRI. EXPECTS GOOD YEAR

International Agricultural Corporation will be able to report net earnings not far from \$1,500,000 around June 3, at the end of the fiscal year, according to a report by John J. Watson, Jr., president of the company. Mr. Watson states that the company's sales are holding up well and that the prices are approximately the same as 1925 selling season. The price, however, of phosphate rock, one of the International's chief products, has increased materially. Mr. Watson states that a larger percentage of fertilizer is to be sold on a cash basis than had been sold last year.

Owens Bottle Co. reports net income for the year 1925 of \$5,051,050 after charges and Federal taxes, which is equal, after preferred dividends to \$6.77 a share on the common stock. This compares with earnings of \$3,710,543 or \$4.72 a share on the common stock in 1924. The manufacturing profit after depreciation was \$5,333,133. Royalties totaled \$2,156,148 and other income \$734,575, making total income of \$8,223,856. Expenses were \$2,314,173 and Federal taxes amounted to \$858,633. Manufacturing profit in 1924 was \$3,720,015.

Tennessee Copper & Chemical Corp. and subsidiaries report an increase of \$706,897 in the net income for 1925. The earnings for the year were \$820,247 after depreciation and interest, equivalent to \$1.03 a share on the capital stock. The earnings for 1924 were \$113,350 or 14c a share.

Ontario Paper Co. has sold \$7,500,000 of bonds and notes consisting of \$4,000,000 first mortgage sinking fund 6 per cent gold bonds and \$3,500,000 of five year 6 per cent notes to Halsey, Stuart & Co., Inc., and the Minnesota Loan & Trust Co. Public offering of the issue will soon be made.

American Can Co. has declared an initial quarterly dividend of 50 cents a share on the company's new common stock, placing the stock on a \$2 annual basis.

Allied Chemical & Dye Corp. declared a regular quarterly dividend of \$1 on the common stock, payable May 1 to stock of record April 14.

Barnsdall Corp. reports earnings for the first quarter of 1926, two months actual and the third month partially estimated at \$2,241,994.

United Zinc & Chemical Co., bonds of \$5,000 par value, due May 1, 1928, and May 1925, were sold at auction April 14, at \$325 for the lot.

Kentucky Alcohol Corp. has obtained a judgment against Olympic Chemical Co. of New York in the amount of \$556.71.

McKesson & Robbins, Inc., New York, have obtained a judgment against David Sockin in the amount of \$712.40.

Continental Paper & Bag Mills balance sheet of Dec. 31, 1925 shows assets of \$29,196,905. Of this amount \$19,733,413 were properties, timber lands and securities.

Southern Phosphate Corp., earnings show a deficit of \$256,548 for the year ending Dec. 31, 1925.

Lehn & Fink, Inc., have obtained a judgment against Abraham Rothman in the amount of \$508.88.

Lowell Top Dyeing & Print Works, Lowell, Mass., in its recent annual report shows assets of \$60,744.

New Incorporations

Dogenhardt Steel Products Co., New York; \$20,000; C. S. Ashley, H. E. Cecil, R. A. Flynn.

Standard Drug Mfg. Co., Wilmington, Delaware; \$1,000,000.

International Laboratories, Ltd., Walkerville, Ontario, Can.; \$40,000; Edgar F. Ladore, David R. Ladore, Frederick W. Haines.

Perth Drug Co., Ltd., Perth, Ontario, Can.; \$300,000; chemicals; Augusta C. Woodward, Lillian E. Fowler, Cecil J. Wright and others.

Pritchard Pharmacy, Ltd., Toronto, Can.; \$40,000; DeWillest S. Puffer, Thomas H. McTavish, William F. Leece.

Caverhill, Learmont & Co., Ltd., Montreal, Can., manufactures paints and oils, \$1,000,000; Francis G. Bush, Herbert W. Jackson, Alexander G. Yeoman, and others.

Physicians & Surgeons Importing Co., \$10,000; New York; N. Wollerstein, L. Kaczuk.

Standard Minerals Corp., Dover, Delaware; metals, \$5,000,000.

Southern Steel Products Corp., Wilmington, Delaware; \$2,000,000.

Babbitt, Delaware; toilet articles, \$180,000.

Drug Co. of Porto Rico; New York; \$500,000; H. A. Yerkes, Jr., R. Krause, F. V. Sheenan.

Cordage & Textile Corp. of America; New York; \$250,000; F. V. Goldstein, H. W. Goldberg.

Newark Compressed Steel Corp., Newark, N. J.; 1,000 shares no par; Dorothy Bradford, Jay F. Dailley, Marjorie B. Hall.

International Laboratories, Ltd., Walkerville, Ont. Capital stock, \$40,000. Provisional Directors, Edgar F. Ladore, David R. Ladore, and Frederick W. Haines.

W. T. Strong's Drug Store, Ltd., London, Ont.; \$35,000. Russell Magee, Florence R. Magee, and Edith M. Magee.

Caverhill, Learmont and Co., Ltd., Montreal, Manufacturers of paints and oils. \$1,000,000. Francis G. Bush, Herbert W. Jackson, Alexander G. Yeoman, and others.

Maison Guttman, New York, textiles; \$10,000; H. Guttman, E. Shapiro, C. McCoe.

Morris Goodman Corp., New York; textiles; \$50,000; C. Ullman, J. C. Greenberg, R. C. Pellam.

Revelation Silk Products Co., Buffalo, N. Y., 200 shares \$100 each, 400 common, no par; J. C. Bonning, W. Thomas.

Dri-Heat Co., Inc., Atlantic City, N. J., deal in manufactured articles; \$500,000; Wm. D. Battersby, Arthur P. Reilly, Cornelius C. Widdis.

D. J. Mead & Sons, Buffalo, N. Y., \$50,000; paper; D. J., D. G. and W. J. Mead.

G. & S. Silk Co., Paterson, N. J., \$25,000; B. Suchovolsky, Beckie Gold, Sue Waks.

Walker Products Corp., Wilmington, Del., \$100,000; manufacture soaps.

Wm. A. Daunt Co., New York; glass; 500 common, no par; W. A. Daunt, A. Shafer, De W. E. Smedes.

Boonekamp Co., New York; plant, medicines; 500 common, no par; A. M. Teitelman, M. W. Gallaway.

Soilife Co., Newark, N. J.; manufacture humus and the by-products; 2,500 shares, no par; H. C. Griffith, Anna M. Simpson, Edward W. Simpson.

Guntton Park Collieries, Wilmington, Delaware; limestone, \$5,000,000.

Hilax Products Corp., Dover, Delaware; shellac; \$2,500,000.

North Arkansas Zinc Co., Wilmington, Delaware; minerals; \$300,000.

Capital Increases

Andrews Lead Co., Queens, N. Y. have increased their capital stock from \$500,000 to \$1,000,000.

Chipman Chemical Engineering Co., New York, have increased their capital stock from 6,000 shares to 10,181 shares, of which 4,181 are \$100 each and 6,000 shares, no par.

Central Drug Co., Manhattan, has increased its capital from \$30,000 to \$50,000.

Paterson Silk Co., Inc., has obtained a judgment against Harry R. and Herman L. Bishinsky in the amount of \$1,232.54.

Central Leather Co. is shortly to be recapitalized, according to Hiram H. Brown, president of the company who informed the stockholders at the recent annual meeting that a plan was in the hands of "competent experts identified with a recent successful railroad reorganization." A special meeting will shortly be called to present the plan for approval.

Owens Bottle Co. announces an improvement program for the Chas. Boldt plant at Huntington, W. Va., which includes an expenditure of \$600,000 at once and \$500,000 more when a new plot of ground is acquired.



Industrial Chemical

SECTION



Swiss Dye Export Total Up For 1925

Value Lower However—Tonnage for 1925 4,939,064 Kilos, Valued at 52,130,426 Frs., Against 4,659,100 Kilos, Valued at 52,689,000 Frs. in 1924—German Market Opening to Swiss—Decrease to France, Italy, India, China, Japan and South America

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., April 21—The dye manufacturers of Basle, Switzerland, were able to slightly increase their exports during the past year, notwithstanding the import restrictions and high customs duties levied by many countries upon dyestuffs, according to Consular advices to the Department of Commerce from Basle. The exports for 1925 amounted to 4,939,064 kilos in comparison with 4,659,100 kilos in 1924.

In spite of this increase of 279,984 kilos, however, the values decreased from 52,689,000 francs in 1924, to 52,130,426 francs in 1925 because of the general lowering of prices of all aniline colors during the year, owing to keen competition from other countries.

The losses sustained by Swiss dye producers in some of the markets of the world are said in Basle to have been partially recouped by the large increase in exports to the U. S., which in 1925 were more than double those for the previous year, as follows: 1,348,650 pounds, valued at \$1,579,722 in 1925, as against 634,594 pounds, worth \$791,686 in 1924.

The following table shows the quantities and values of aniline dyes exported from Basle during 1925, and the countries of destination:

Country of Destination	Quantity (Kilos)	Value (Francs)
France	912,197	10,799,091
United States	542,178	8,070,741
Great Britain	462,851	5,891,721
Italy	230,820	2,895,521
Czechoslovakia	489,739	4,002,191
Germany	358,700	3,206,000
Belgium	296,756	1,853,424
Sweden	155,035	1,486,793
Japan	156,971	1,485,945
British India	168,118	1,292,097
All other countries	1,165,719	11,146,902
Total	4,939,084	52,130,426

For several years the German market has been closest to Basle's dye producers, but during the last year, under arrangements effected between the Swiss and German governments, the import restrictions were relaxed to a certain extent. This was of material assistance to the Swiss dye producers, as they were again in a position to supply their German pre-war customers, and the results during the past year were very satisfactory, as shown by the foregoing table of exports.

The British import restrictions of aniline dyes have prevented the Basle manufacturers from increasing their

exports of dyestuffs to that country, the consul states. Whether the financial reconstructions and the general reorganization of the British Dyestuff Corp. will have any influence on the English dyestuff market is problematical, in his opinion.

There was a heavy decrease in the exports of dyes to France, which is somewhat attributable to the French rate of exchange. The French textile mills are well employed and if there is any improvement in the rate of exchange, there will unquestionably be a large increase in the exports of aniline dyes to that country, the consul believes.

In previous years Italy was a good market for Swiss dyes, but that market is gradually disappearing, owing to the large number of dye manufacturing plants established in Italy, which are now supplying an increasing proportion of the dyestuffs consumed in that country. The decrease in exports of dyes to India, China, and Japan has been largely due to the keen competition of German and American dyestuff manufacturers. As a result of this competition, prices for dyestuffs and chemical products have dropped to the point where sales for Swiss dyestuffs become very difficult. For several years South American countries have been large purchasers of Swiss dyes, but as in the case of China and other Eastern markets, the German and American competition is becoming very active, and there has been a consequent decrease in Swiss exports to those countries.

The losses sustained by Swiss dye producers in some of the markets of the world have been partially recouped by the large increase in exports to the U. S., which in 1925 were more than double those for the previous year, as follows: 1,348,550 pounds, valued at \$1,579,722 in 1925, as against 634,594 pounds, worth \$791,686 in 1924.

Association of Professional Chemists of Quebec is to be incorporated by a bill favorably reported by the Public Bill Committee of Quebec Legislature Assembly. The bill provides that only members of the association will be entitled to use the term "professional chemist." The act will become effective on September 1, 1926. Others will be allowed to practice chemistry as long as they do not use the restricted title, and nothing in the bill affects the rights and privileges of members of the Corporation of Professional Engineers of Quebec, of those holding diplomas from Montreal Polytechnique School or by the Faculty of Applied Science of McGill University, or of those having diplomas of pharmacy or medicine.

New turpentine specifications are about to be issued by the Government in accordance with the plan proposed by the American Society for Testing Materials, as a result of a meeting of the sub-committee of committee D-1 of that organization held in Washington recently. No important changes are anticipated.

The Heavy Chemical Market

Chemical Current Spot Quotations for Heavy Chemicals, see pages 1174-1192

PRICES ON MANY ITEMS TENDING UP

Higher Quotations Anticipated on Copper Sulfate and Mineral Acids—Arsenic Strong—Ammonia and Derivatives Firm—Chlorine Steady—Copper Subacetate Lower—Magnesium Chloride Advanced—Glauber's Salt in Sharp Competition—Sodium Sulfide in Excellent Demand

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Magnesium Chloride, Flake, \$1.00 ton

Declined

Copper Subacetate, 3c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial lb.	\$1.11½	\$1.11½	\$1.11½	\$1.11	\$1.19½	\$1.07
Sulfuric Acid, 66° 100 lbs	14.00	14.00	14.00	14.00	55.00	20.00
Am. Sulfate 100 lbs	2.75	2.80	2.95	2.75	7.50	2.65
Bleaching Pdr. 100 lbs	2.00	2.00	2.00	1.90	9.50	1.50
Copper Sul. e-l. 100lbs	4.65	4.65	4.37½	4.65	20.00	4.60
Potash, Caustic, Imp. lb.	.071¼	.071¼	.071¼	.071¼	.87	.68
Soda Ash, 58 p.c. 100lbs	1.94	1.94	1.94	1.94	3.50	.60
Caustic Soda, 76 p.c. 100lbs	3.66	3.66	3.66	3.66	9.50	1.42
Potassium Bichromate lb.	.08¼	.08¼	.08¼	.08¼	4.65	.06¼
Sodium Prussiate lb.	.10	.10	.10	.09½	1.25	.18
Average	2.937	2.937	2.915	2.926	10.79	2.99

Demand for industrials from first hands was well sustained during the week and prices showed only slight variations on a few items. The demand for copper sulfate continues strong and prices are expected to reach \$5.00 before another month is over. Barium products are steady with prices unchanged in all quarters. Chlorine and its entire list of derivatives are firm and unchanged as to prices and the same is true of ammonia and its derivatives. Bichromates and prussiates are moving in good volume at fairly steady prices. Flake magnesium chloride is higher from the maker, and fused is no longer manufactured in this country. Mineral acids are unchanged in price but the situation remains very strong and an advance is probable in the near future. Calcium chloride is in increasing seasonal demand. Ammonium chloride prices are unchanged and the market is steady. Arsenic sales are increasing and prices are tending upward.

Acetone—Market steady at unchanged prices due to a ready demand for all available supplies.

Acid Acetic—Fairly steady demand reported with prices quoted at schedule in all directions.

Acid Formic—Arrivals at New York last week were quite heavy and have relieved the shortage to some extent. Demand is in excess of offerings, however, and quotations are nominal.

Acids Mineral—Situation is unchanged. Demand is good and schedules are firm. An advance in sulfuric is likely due to the high market for sulfur, and this will result in an advance in nitric and muriatic.

Acid Oxalic—Domestic quotations are firm and unchanged at 10¼c@11c lb at New York and works. Importers name 11c@11½c lb, although prices below domestic figures are understood to have been done.

Aluminum Sulfate—Domestic factors name firm unchanged prices of \$2.00 100 lbs. for carlots of iron-free

material, but imported material at \$1.60 100 lbs. continues to offer serious competition in some instances. Commercial remains unchanged at \$1.40 100 lbs. for carlots at works.

Alum Potash—Market fairly steady with prices showing no appreciable change.

Ammonia Anhydrous—Demand increasing with approach of warm weather. Prices are firm and unchanged.

Ammonia Aqua—Market steady in all directions and prices are firm.

Ammonium Chloride—Both gray and white products are firm and unchanged from importers and domestic factors.

Ammonium Persulfate—Domestic material firm and unchanged at 25c@30c lb.

Arsenic—Market firm at 3½c@4c lb and tending upward due to increasing seasonal demand.

Barium Salts—Chloride is firm and unchanged at \$63.00 ton for carlots of bags, and \$65.00 ton for barrels at works from makers. Importers' prices are at practically the same figures. Carbonate is firm at \$51.00 ton at New York, and \$47.00 ton at Baltimore.

Calcium Chloride—Seasonal demand is heavy and prices are firm and unchanged in all directions.

Carbon Tetrachloride—Firm and unchanged from makers.

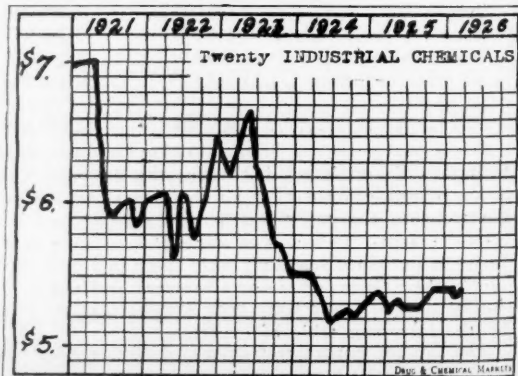
Copper Subacetate—Verdigris market is lower at 17c@18c lb for kegs.

Copper Sulfate—Quotations are firm at last week's advance to \$4.65 100 lbs. for carlots of small or large crystals. The market is very strong due to restricted production and heavy seasonal demand. Prices are expected to reach \$5.00 within a month.

Epsom Salts—Technical material in good demand at unchanged prices.

Glauber's Salts—Domestic material is in sharp competition and prices below \$1.00 100 lbs. are reported but not confirmed. Quotations remain at \$1.05 for carlots of bags, and \$1.10 for barrels.

Magnesium Chloride—Maker has advanced price of carlots of flake to \$37.00 ton at works. Fused material is no longer made in this country.



Manganese Chloride—In good demand at firm unchanged prices of 8c@8½c lb.

Nickel Salts—Quotations are firm and unchanged on single and double salts.

Potassium Chlorate—Domestic firm and unchanged at 8½c@9c lb, and imported at 8¼c@8¾c lb.

Potassium Prussiate—Domestic and imported products firm and unchanged at 18c@18½c lb.

Soda Ash—Market is steady in all quarters with demand and production well balanced.

Soda Caustic—Contract movement is good and prices are firm.

Sodium Chlorate—Maker and importers quote firm unchanged prices of 6¼c@6½c lb.

Sodium Fluoride—Market firm at 9c@10c lb as to quantity and quality for imported and domestic products.

Sodium Prussiate—Steady demand reported at firm unchanged prices of 10c@10½c lb.

Sodium Silicofluoride—Market is steady with a good volume moving from first hands at 4½c@5c lb.

Sodium Sulfide—Excellent demand reported by factors who quote firm unchanged prices.

CRESYLIC ACID AND GLYCOL DUTY RULING

(Special to DRUG & CHEMICAL MARKETS)

Montreal, Que., April 20—The new Canadian budget brought down on April 16, provides that cresylic acid shall be admitted free of duty, if it is to be used in the manufacture of disinfectants, sprays, etc.

Ethylene glycol will also now be admitted free of customs duty when it is used by the importer in his own factory in the manufacture of explosives.

Acids and anhydrides exported from the United States during the month of January were as follows: acetic, 23,818 lbs.; sulfuric, 996,662 lbs.; boric, 69,964 lbs.; other acids and anhydrides, 2,081,803 lbs. Methanol, pure and denaturing grade to the amount of 70,254 gals. were exported and other alcohols, both pure and denatured amounted to 62,279 gals. Acetate of lime exports aggregated 1,285,954 lbs., valued at \$49,347. Formaldehyde exports amounted to 245,418 lbs., worth \$19,685.

Sales of magnesium in the United States in 1925 amounted to 245,000 pounds, valued at \$274,400, as compared with sales of 128,000 pounds, valued at \$150,000 in 1924, according to statistics compiled by the Department of Commerce. But two companies manufacture magnesium in the United States, and both companies increased their output in 1925. Imports of magnesium metal in 1925 were 8,326 pounds, valued at \$7,070, as compared with 8,738 pounds, valued at \$6,561, in 1924.

Bauxite production in this country decreased 9% in quantity, and 7% in value during 1925. Total for 1925 was 316,540 long tons, valued at \$1,988,250, against 347,570 tons in 1924. Imports in 1925 totaled 353,696 tons; against 201,974 tons in 1924. Exports in 1925 totaled 78,570 tons, against 77,065 tons in 1924.

A shipment of three hundred and fifty tons of zinc concentrates was made recently to Belgium from the Wrigley mines on Catalina Islands, California.

American Smelting & Refining Co. have reduced the price of lead to 8c a lb, a reduction of twenty points compared with the previous price list.

SUGAR OF LEAD LOWER IN HAMBURG

Market is Absolutely Dull—Makers Advance Potassium Bicarbonate—Beta-Naphthol Higher—Lower Prices Are Quoted for Borax and Brown Sugar of Lead

(Special to DRUG & CHEMICAL MARKETS)

Hamburg, Germany, April 21 (By Radio)—The market is absolutely lifeless and dull. Prices for the most part are unchanged. Makers have advanced quotations on potassium bicarbonate. Beta-naphthol is also higher. Lower prices are named for borax, calcium chloride and brown sugar of lead.

Hamburg, Germany, April 12 (By Mail)—Chemical market: Prices are showing a downward trend. Small business has been done in betanaphthol.

Chrome alum: Competition is very keen and prices are going down.

Prussiates: There is some stir. Business in yellow prussiate of potash has been done at £60 and in yellow prussiate of soda at £35 10s, both per 1,000 kilos.

Oxalic acid: Prices are still unsatisfactory at about £23 5s per 1,000 kilos.

Sal ammoniac—The prices of about \$8.25@\$8.35 which had been asked for, seem to have been paid though not for small quantities but only for good-sized tonnage.

Chlorate of potash: Shows a small improvement in price at about \$13.20.

White lead sugar: Evidently the uniform quotations of works will be paid now; business was done at £43 per 1,000 kilos, to quite some extent.

Bromides: The demand is still very bad and prices are a bit lower.

BARIUM DIOXIDE TARIFF SUSTAINED

Barium dioxide tariff recently raised on imports coming from Germany by President Coolidge has been sustained in a decision handed down by the Board of General Appraisers in the United States Customs Trial Court, which declared the flexible provisions of the tariff law to be constitutional.

It is understood that an appeal will be taken to the Court of Customs Appeals and possibly to the United States Supreme Court.

Judge Chas. P. McClelland of the Board of General Appraisers said that the President, in making such investigations and in determining the difference between the cost of barium dioxide in the United States and Germany, as well as fixing a rate of duty which would equal such difference, was only carrying out the expressed will of Congress and was therefore in no sense guilty of usurpation of the constitutional privileges of that body.

Crude potash salts to the amount of 51,544 short tons, containing 25,439 short tons of potash (K₂O) were produced in the United States in 1925. Sales by producers amounted to 52,823 short tons of crude potash containing 25,802 short tons of K₂O, equivalent to about one-tenth of the potash salts imported during the year. Domestic potash materials sold were valued at \$1,204,024 f. o. b. plants. About 31,000 short tons of crude potash with available content of 10,000 tons of K₂O remained in producers' stocks at the end of 1925.

Pyrites production in the United States in 1925 aggregated 170,081 long tons, valued at \$650,448, according to figures compiled by the Bureau of Mines, Department of Commerce. This is an increase of 6% in quantity, but only 1% in value over 1924.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemical pages 1164-1192

CRESYLIC ACID ADVANCES ON SPOT

Increased Demand the Cause—Pyridine Fairly Steady—Benzene and Other Light Oils Firm Under Good Demand—Naphthalene Active—Phenol Quiet But Firm—Intermediate Demand Lessens—Prices Mostly Subject to Shading—Benzidine Lower

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Cresylic Acid, 3c gal.

Declined

Pyridine, 5c gal.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, pure gal.	\$.24	\$.24	\$.23	\$.24	\$1.10	\$.25
Naphthalene flake... lb.	.0534	.0534	.06	.05	.16	.03
Phenol Spot lb.	.22	.22	.22	.24	1.50	.08
Toluene gal.	.35	.35	.35	.26	—	—
Aniline Oil lb.	.16	.16	.16	.16	1.40	.10 1/2
Alpha-naphthylamine lb.	.35	.35	.35	.35	1.28	—
Benzaldehyde lb.	.70	.70	.70	.70	—	—
Betanaphthol lb.	.24	.24	.24	.24	1.50	.08
Dimethylaniline lb.	.30	.30	.30	.31	1.30	—
Average	0.310	0.310	0.309	0.315	—	—

Leading distributors and producers continue to report a good demand for all offerings of benzene at firm unchanged prices. Offerings of toluene are not so plentiful and the market is steady at unchanged prices. Xylene and solvent naphtha are still in scant supply with quotations nominal. Phenol and phthalic anhydride are moving in a quiet routine way at unchanged prices. Naphthalene is in good seasonal demand at firm prices. Cresylic acid is much firmer on an excellent demand. Pyridine is fairly steady.

Intermediates are in lesser demand and many prices are subject to shading. Benzidine, para-nitroaniline, gamma acid, meta-tolylenediamine and several other items are quoted at varying figures, with the actual market hard to determine. Aniline oil is fairly steady although some slight shading is said to have been done by smaller factors in an effort to increase their output.

Crudes

Benzene—Market firm in all directions. Output is decreasing and increased demand is reported from motor fuel blenders. Quotations are given at 24c gal. for tanks of pure and 90% material at mills. No further advances are anticipated for at least a month.

Cresylic Acid—Market is higher and it is now impossible to shade 60c gal. on spot for 97-99% pale acid with many holders quoting considerably higher. Shipment is obtainable at 55c gal. An excellent demand has lessened spot stocks very materially during the past week and a firm market is expected to prevail for some time.

Phthalic Anhydride—Steady quiet routine demand is reported by makers who quote firm unchanged prices in all transactions.

INDUSTRIAL CHEMICAL SECTION

Phenol—Market steady with all factors. Demand is of moderate routine volume.

Pyridine—Spot market is steady at \$3.95@\$4.05 gal., and shipment is quoted at slightly under these figures. Demand is slight but supplies are held by firm hands.

Solvent Naphtha—Supplies are insufficient to satisfy the demand and quotations are nominal.

Toluene—An excellent demand is reported for available supplies at firm unchanged prices. Production has been curtailed in some directions and this coupled with a steadily increasing demand makes the situation appear very steady.

Xylene—Output is insufficient to satisfy the demand but consumers are receiving greater proportions of their requirements than heretofore. Nominal quotations are unchanged.

Intermediates

Acid H—Ton lots are quite steady at 63c lb., with smaller lots ranging up to 68c lb. Carlots are reported to have been sold as low as 55c lb. Demand is only fair and competition is very sharp.

Acid Gamma—Although some makers continue to name \$1.30 as their minimum price, quotations in some directions are given at \$1.25 lb and shading of this figure does not appear improbable.

Acid Monosulfonic—Makers quote firm unchanged prices of \$1.65 for single barrels.

Acid Tobias—Steady demand reported at 85c lb.

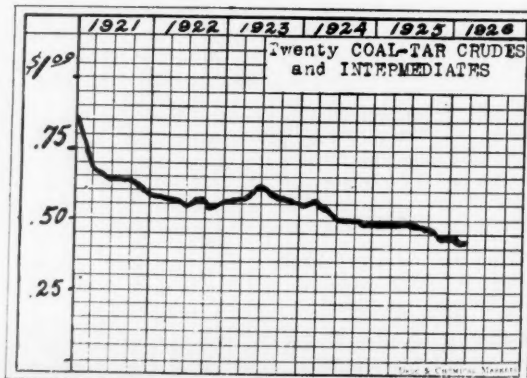
Alpha-Naphthol—Market quiet but firm at 35c@37c lb.

Aniline Oil—While makers quote firm unchanged prices at 16c@17c lb, some slight shading is reported on the part of smaller makers who have attempted to increase their outlet.

Benzidine—Market is lower at 70c@72c lb as to quantity. Some shadings of these figures have been reported in some directions.

Beta-Naphthol—Single barrels are moving at a firm unchanged price of 24c lb.

Dimethylaniline—Quotations show no change and the market is fairly steady at 30c lb for carlots, and 31c@32c lb for lesser quantities.



Meta-Toluylenediamine—Fairly steady market is reported at 72c@74c lb for drums, with tanks quoted at 70c lb. However, some shading is reported to have been done.

Meta-Nitro-Para-Toluidine—Makers quote firm unchanged prices of \$1.75 lb for single barrels.

Ortho-Toluidine—Makers are firm at unchanged prices of 25c@27c lb for drums. Increased demand is anticipated in the near future.

Para-Nitroaniline—Market remains weak. Leading makers continue to name 48c lb as inside price for single barrels. Some makers however, have quoted as low as 45c lb.

Para-Toluidine—Stocks in makers' hands are exceedingly large. Prices, however, are fairly steady at 50c lb for ordinary quantities.

R-Salt—In good demand at unchanged prices.

Sodium Naphthionate—Makers continue to name 55c @59c lb as to quantity. Shading is reported to have been done in some instances.

Tolidine—Quiet but fairly steady at unchanged quotations.

Toluidines—Mixed toluidines are in moderate demand at unchanged prices. Competition is rather sharp.

MEXICO EXTENDS COAL-TAR OPERATIONS

The erection during 1924 of a by-product plant at Rosita, Coahuila, introduced the manufacture of coal-tar products in that section in connection with coal and coke operations, according to Consul Drew Linard, Piedras Negras, Mexico. Because of the apparent demand which has existed for the product of this plant, it is understood the other coal operators in the Sabinas coal basin are considering installations for the manufacture of coal-tar products. During 1925, the first year of local production, the total quantity of by-products extracted was valued at about \$241,000, as follows: benzol, \$83,000; coal-tar oil, \$29,000; creosote oil, \$57,000; ammonium sulfate, \$72,000.

Amoskeag Mfg. Co. is now supplying all its own rayon requirements. Production has been increased to the extent that the new unit is now able to supply the 2,000 specially adapted looms operating on night and day basis.

George A. Post, president and treasurer of Post & Sheldon, Inc., was re-elected president of the Silk Association of America at the annual meeting held last week. This is Mr. Post's second term as president of the Association.

L. F. Hoyt, for 11 years associated with Larkin Co., Inc., Buffalo, N. Y., and head of their research department for several years, has resigned to accept the position of assistant chemical director in charge of control work at the du Pont Rayon Co. of Buffalo, N. Y.

Vistra Co., the second largest Rayon producers in Germany, are said to be negotiating an agreement with du Pont Co. for the purpose of co-operating in production and marketing.

Hercules Powder Co. at the annual meeting of stockholders re-elected all the retiring directors. The vacancy caused by the death of Geo. H. Markell was not filled.

Essex Chemical Co. announces their removal to 470-474 Frelinghuysen ave., Newark, N. J.

DYEING AND FINISHING DULL IN PHILA.

(Special to DRUG & CHEMICAL MARKETS)

Philadelphia, April 21—The dyeing and finishing industry which was running along so well and with bright prospects of coming through a banner season with flying colors, has taken a terrific slump. The plants are closing down one after another and many of them are going out of business altogether. Where the establishments have closed down temporarily or are running on very short time, the managers and buyers have gone out on the road themselves in an effort to stir things up and get enough business coming in to prevent a complete shut-down.

DU PONT OFFERS NEW HALF SILK BLACK

E. I. du Pont de Nemours & Co. are offering to the trade Pontamine Black HS, to meet the demand for a direct black for dyeing silk. The dyestuffs department announces that it gives uniform full shades of unions of cotton and silk, and is particularly beautiful when treated with formaldehyde. When after-treated with formaldehyde it is very fast to washing. It is also said to possess very good fastness to perspiration. The shade is very bloomy and the cotton and silk are dyed to the same depth and tone. It is also said to be entirely satisfactory to crocking.

Washington, D. C., April 21—The process used in the making of coal-tar food dyes is immaterial, according to the United States Department of Agriculture, provided the finished product complies with Government standards and requirements. These standards are discussed in Department Bulletin No. 1390, Chemistry and Analysis of the Permitted Coal-Tar Food Dyes, just issued by the department. The bulletin also deals with the technical specifications, for each permitted coal-tar dye, the substance from which it is made, the usual method of manufacture, and gives the details of the methods of analysis used by the Bureau of Chemistry.

Celluloid Co. of New Jersey stockholders elected a new board of directors at their recent annual meeting. Arthur O. Choate, Walter C. Heath, Joseph LaRoque, Marshall C. Lefferts and F. Hallett Lovell, were re-elected. Among the new directors are Robert Campbell, manager of the Nairn Linoleum Co. plant at Kearney, N. J., for a number of years and later vice-president of the Congoleum-Nairn, Inc., William F. Hoffman, of the American Oil Supply Co., Julius S. Rippel and Henry B. Rogers of the Edison Lamp Works, Carleton Montgomery and Warren S. Sillocks. The latter two were directors before last year.

Snia-Viscosa, the Italian synthetic fiber company, is preparing to produce synthetic linen at the rate of 150,000 lbs. a day, according to a report. The new product is particularly suitable for the lace industry, it is stated, and it is said to comprise about 10 per cent of natural linen. The report indicates that the concern, which was the first company to produce artificial wool in commercial quantities is branching out into other textile fields.

Benzol exports for February totaled 172,631 lbs., valued at \$10,844, while during the same month 2,118 barrels of crude coal-tar were exported at a value of \$6,746, according to the Department of Commerce. Exports of coal-tar pitch totaled 335 barrels, valued at \$2,596, while other crude distillates exported totaled 1,706,127 lbs., valued at \$41,545.

The Oil Market

Current Spot Quotations for Oils, Greases, page 1193

ANIMAL OILS AND FATS WEAKEN

Greases Lower—All Grades of Lard and Oleo Oils Quoted Lower—Several Grades of Neatsfoot Oil Reduced—Tallow Steady—Fish Oil Prices Maintained—Vegetable Oil Prices Remain Soft—Japanese Rape Oil Lower—Chinawood Steady After Dip—Linseed Oil Slightly Higher

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Grease, Choice White, 1/4c lb.	Linseed Oil, 0.1c lb.
Declined	
Grease, Yellow, 1/4c lb.	Neatsfoot Oil, 1/4c to 1/2c lb.
Lard Oil Edible Prime, 1/4c lb.	Oleo Oil, 1/4c to 1/2c lb.
Lard Oil, Other Grades, 1/4c lb.	Rapeseed Oil, Japanese, 2c gal.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N. Y. gal.	\$.68	\$.68	\$.68	\$.62	\$1.26	\$.26 1/2
Degras American, bbl. lb.	.04 1/4	.04 1/4	.04 1/4	.04 1/4	.23	.03 1/2
Lard No. 1 gal.	.84	.89	.89	.88	2.90	.92
Menhaden, crd., tas gal.	.53	.55	.55	.55	1.20	.33
Neatsfoot 20° et. gal.	1.40	1.40	1.59 1/4	1.24 1/4	8.45	.95
Red Oil distilled lb.	.10 1/4	.10 1/4	.10 1/4	.12	.17	.07
Stearic Acid, T.P. lb.	.16 1/4	.16 1/4	.16 1/4	.16 1/4	.33	.12
Coconut, Ceylon tks. lb.	.10	.10 1/4	.10 1/2	.10 1/4	.30	.14
Cottonseed, crude tks. lb.	.11	.11	.11	.09 7/8	.25	.08
Linseed, crude gal.	.80 1/4	.80 1/4	.80 1/4	1.04	1.85	.57
Olive, denatured gal.	1.15	1.15	1.18	1.20	4.50	1.05
Peanut, refined lb.	.15	.15	.15	.15	.30	.08
Soya Bean bbls lb.	.12 1/4	.12 1/4	.12 1/4	.13	.19 1/4	.07
Average	4.78	4.82	5.00	0.497	5.92	1.56

Vegetable oils remain very quiet with prices on the entire list soft. Consumers' continue to buy heavily, but supplies in importers' hands are greater than the demand and bids are almost always accepted below the market. Chinawood oil is quoted at unchanged figures after a further decline during the week. Linseed oil is very dull with prices slightly higher with bids accepted at lower prices. Rapeseed and soya bean oils are barely steady at unchanged prices. No changes have taken place in the primary markets, and until some such change occurs, it appears that prices and buying methods will remain unchanged.

Animal oils and fats weakened considerably during the past week and prices on many items are lower. Several grades of grease are down. All grades of lard oil, except 20° c. t., are lower. All grades of oleo oil have suffered a decline. Stearine, tallow and tallow oil are steady. Makers' quotations on red oil and stearic acid are unchanged.

Fish oil prices are being fairly well maintained by manufacturers, although some decline in trading is reported.

Vegetable Oils

Castor Oil—Market quiet with prices firm and unchanged.

Chinawood Oil—Although the market declined to 9c lb for tanks at Pacific Coast during the week, a recovery was made and at present prices are unchanged from last week at 9 1/4c lb for tanks at Pacific Coast, 10c lb for tanks New York, and 11c lb for barrels.

Coconut Oil—Prices on all grades show no appreciable

INDUSTRIAL CHEMICAL SECTION

change. Stocks are large but are being fairly well held at quoted prices.

Corn Oil—Demand fair with prices maintained at 10 1/4c lb for tanks at mills. The improvement in the cottonseed oil market has added strength to this market.

Cottonseed Oil—Crude oil prices recovered during the past week to 11c lb. Trading is extremely dull and the quotations are probably only nominal. Prime summer yellow oil quotations recovered during the week and at the second call on Monday spot was quoted at 12.1c lb, and other positions as follow: April 12.3c bid, 12 3/4c asked; May 12.27c bid, 12.31c asked; June 12.15c bid, 12.3c asked; July sold at 12.15@12.14c. Aug. 12.19c bid, 12.24c asked. Sept. 12.18c bid, 12.19c asked. Oct. 11.47c bid, 11 1/2c asked; Nov. 10.7c bid, 10 3/4c asked. Hull quoted crude oil at 35s 9d on Monday, and refined oil at 39s 6d.

Linseed Oil—Crushers' quotations have advanced slightly from last week's figures and carlots of barrels on spot and for shipment through April are quoted at 10.7c lb. Shipment is now quoted only through Aug., and May-Aug. is offered at 10.8c lb. These prices are subject to shading of as much as 0.2c lb on bids. The market is exceedingly dull due to the steady condition of seed markets. London quoted oil on Monday at 30s 3d, and Antwerp named 390 frs. Seed markets opened the week as follows: Winnipeg May \$1.98; July \$2.01 1/4; Oct. \$2.03; Duluth May \$2.31 3/4; July \$2.35; Sept. \$2.33 1/2 bid; Oct. \$2.30 bid; Minneapolis May \$2.33 1/2; July \$2.36 1/2; Buenos Aires May \$1.56 1/4.

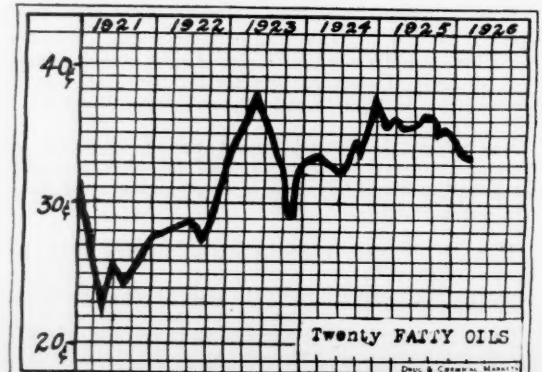
Olive Oil—Open quotations remain at last week's decline to \$1.15@1.20 gal. as to quantity. Shading continues to be reported in some directions to as low as \$1.10 gal.

Olive Oil Foots—Market quiet and subject to shading at last week's reduction to 8 1/4c@8 3/4c lb for both spot and shipment.

Palm Oil—Lagos and Niger are quiet at unchanged prices.

Palm Kernel Oil—Market is fairly steady at 9 5/8c lb for casks, and 10c lb for barrels.

Rapeseed Oil—Offerings of Japanese are made at lower figures of 86c@90c gal. English is held at firm unchanged prices of 90c@92c gal.



Soya Bean Oil—Quiet and only barely steady at recent low prices.

Animal Oils

Greases—Reductions have been made in prices of several grades. House is maintained at 7½¢ lb. Choice white is higher at 9¾¢ lb. Lower prices are named on yellow at 8¢ lb, and brown at 7½¢ lb.

Lard Oil—Makers quote lower prices on all grades due to lack of demand. Edible prime is quoted at 16¾¢ lb; offi prime 13¢ lb; extra 12½¢ lb; extra No. 1 12¼¢ lb; No. 1 12¢ lb; No. 2 11¾¢ lb.

Neatsfoot Oil—All grades are lower from makers with the exception of 20° c. t., which is quoted unchanged at 20¼¢ lb. Quotations on other grades are as follows: pure 16½¢ lb; extra 12¼¢ lb; No. 1 12¢ lb.

Oleo Oil—Lower prices are named by makers on all grades at 13¢ lb for No. 1; 10¾¢ lb for No. 2; and 10¼¢ lb for No. 3.

Red Oil—Makers name unchanged prices on distilled and saponified.

Stearic Acid—Competition remains sharp on double pressed material. Makers' quotations are unchanged at 14¼¢ lb for carlots, and 14½¢@14¾¢ lb for less carlots, but importers prices 13¾¢@14¢ lb are understood to have been met in many instances. Triple pressed is fairly firm at 16¼¢@16¾¢ lb as to quantity.

Tallow—Quotations are unchanged at 8½¢ lb for city extra.

Fish Oils

Cod Oil—Quiet but steady at unchanged prices with slightly less buying reported.

Menhaden Oil—Quotations are unchanged from crushers who report a steady demand.

Sperm Oil—All grades are being maintained at unchanged prices in all directions.

COTTONSEED OIL PRODUCTION HIGHER

(Special to DRUG & CHEMICAL MARKETS)

Washington, April 21—Crude cottonseed oil produced from August 1 last to March 31 totaled 1,434,833,682 lbs., as compared to 1,247,507,697 lbs. during the corresponding period of the 1924-25 season, the Census Bureau reported today. Shipment of crude oil amounted to 1,395,293,461 lbs., as compared to 1,186,855,794 lbs.; and stocks on hand March 31 totaled 90,620,925 lbs., against 88,014,672 lbs., on March 31, 1925.

Production of refined oil this season to March 31 amounted to 1,155,891,520 lbs., as compared to 1,044,864,846 lbs., to the end of March last year. Shipments are not reported but stocks on hand March 31 totaled 303,678,337 lbs., as compared to 372,378,714 lbs., on March 31, 1925.

Receipts of cottonseed at mills from August 1 to March 31 totaled 5,385,967 tons, against 4,444,848 tons during the corresponding period of last season. Seed crushed to March 31 amounted to 4,973,534 tons, as compared to 4,135,665 tons, and 415,277 tons were on hand at mills March 31, against 323,806 tons on that date last year.

Romaine River Oxide Co., Quebec, Canada, will shortly establish a large paint factory at Levis, Quebec, at a cost of over one million dollars, according to what is described as an authoritative report. Up to this time this company has shipped abroad all the ochre deposits from its properties, but these will be utilized in the manufacture of paints in the new plant.

OLIVE OIL CROP 24.1% BELOW 1924

Total Production is 1,398,000,000 Lbs., For All Producing Countries, Against 1,841,780,000 Lbs., For 1924, and 1,560,980 Lbs., For 1923—All Countries Report Crops Below 1924—Spain and Greece Only Above 1923 (Special to DRUG & CHEMICAL MARKETS)

Washington D. C., April 21—Estimates now available from the International Institute, official sources, or consular reports, for all olive oil producing countries of the Mediterranean Basin, confirm the early reports of an unsatisfactory yield for the past season. The total production of 1,398,000,000 pounds is 24.1 per cent below the good harvest of 1,841,780,000 pounds in 1924 and 10.4 per cent below the 1923 harvest, when 1,560,980,000 pounds were produced.

Spain, Italy, Greece, Portugal and France all report crops much below those of 1924 and, with the exception of Spain and Greece, below the 1923 production, as well. Although no official estimate has been received from Turkey, the most important Asiatic producer, a report from Consul Allen estimates production at approximately one-fourth that of last year. Palestine and Syria also report a great falling off as compared with former years.

The 1925 yield for the three French North African countries, Algeria, Morocco and Tunis, is estimated somewhat higher than the crop of last season, due largely to the outturn in Tunis, which was fairly good and much above that of 1923 or 1924.

In the absence of official data for the two minor producing countries Yugoslavia and Cyprus, approximate estimates have been made by the International Institute on the basis of the results in the previous season.

OLIVE OIL Production in the Mediterranean Basin, annual 1923 to 1925

Country	1923 1,000 pounds	1924 1,000 pounds	1925 1,000 pounds
Spain	658,860	738,960	680,230
Italy	392,000	460,000	330,700
Greece	107,630	307,700	126,560
Portugal	95,920	69,730	54,040
Algeria	69,190	51,490	55,140
Tunis	48,500	48,500	63,900
France	31,770	18,600	15,430
French Morocco	15,870	19,180	15,430
Palestine	6,570	10,810	7,500
Syria	26,450	22,900	9,740
Turkey	98,900	77,000	18,000
Cyprus	2,310	6,160	4,300
Yugoslavia	7,010	11,320	8,000
Total	1,560,980	1,841,780	1,398,000

Promotion of the use of paint is contemplated in a report of the Paint-up Campaign Committee, which has arranged for extensive billboard display in every section of the City. The members of the organization seem to be exceptionally active in conducting educational campaigns among the consumers.

Werner S. Hammesfahr has severed his association with Henderson, Helm & Hammesfahr, Inc., 42 Beaver Street, according to an announcement by the concern. The business will be continued at the same address under the name of Henderson, Helm & Co., Inc.

Pacific Lacquer & Bronze Co. of Martinez, Cal., has changed its name to that of the Zapon Co. The latter concern has been incorporated with a capital stock of \$75,000, the directors being R. H. Stratton, of Giant, and W. J. Sennett and T. H. LeLap, of Richmond, Cal.

Miscellaneous Raw Materials

Heavy Chemicals 1174-1192, Tan and Dyestuff 1174-1192, Fatty Oils, 1193

SPOT ROSINS DECLINE SHARPLY

Market Here and at Savannah Suffers Reduction—Turpentine Also Weaker—Litharge and Red Lead Reduced 1c Lb.—Nitrate of Soda in Better Demand at Lower Figures—Other Fertilizers Quiet Spot and Baltimore—Egg Albumen Easier But in Good Demand

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	Declined
Fish Scrap, Balto. 25c per unit	Rosin, WW 10c per 280 lbs.
Albumen, Egg 2c per lb.	Rosin, D, \$1.95 per 280 lbs.
Litharge, 1c per lb.	Rosin E, 20c per 280 lbs.
Red Lead, 1c per lb.	Rosin, F, H, I, K, 50c per 280 lbs.
Sul of Ammonia f.a.s., 10c per 100 lb.	Rosin, G, M, 40c per 280 lbs.
Lime Sulfur, Dry 3/4c per lb.	Rosin, N, WG 25c per 280 lbs.
Rosin, B, \$1.35 per 280 lbs.	Turpentine, spot, 2 1/2c per gallon

A sharp decline in rosin prices for all grades, both on spot and at Savannah was the most important development this week. On spot the reduction ranged from about 25c per 280 lbs. on the high grades to almost \$2.00 on the common grades. Turpentine is also somewhat easier on this market, but it is felt that prices have about reached their low for the season. Since the announced reduction in the price of nitrate of soda on the Atlantic seaboard, dealers report a noticeably better inquiry and a larger volume of actual business. Other fertilizer materials continue quiet in New York and Baltimore, with the late Spring offered as the reason for the lack of interest. Although fertilizer sales for this year are expected to reach the total of 1925, it was believed that the turnover would be greater this year, consequently larger stocks are offered for sale. It is possible that there will be a carry over into next season. Insect-

icides and fungicides continue in good demand in this section. Divi divi and wattle bark are reported in better demand with several carloads passing into consuming hands this week. Dyewood importers report a reviving demand for their articles and hope is expressed that this condition is not a temporary flurry. Accelerators, albumens and colors and pigments are all moving in fair volume at unchanged figures. Makers have announced a reduction on litharge and red lead.

ACCELERATORS

Aldehyde Ammonia—Quiet and unchanged at 80c@82c per lb.

Diorthotolyl-Guanidine—Moving in fair volume at the quoted price of \$1.05@\$1.08 lb, as to quantity.

Diphenyl-Guanidine—Makers state that stocks are being taken by consumers in a very satisfactory manner at 85c@88c lb.

Ethylidine-Aniline—At the market price of 60c@65c lb, some business is reported.

Hexamethylene—Has not changed since last quoted and is being offered at 80c@82 1/2c lb, works.

Triphenyl-Guanidine—Is moving in better volume this month at 70c@75c lb.

ALBUMENS

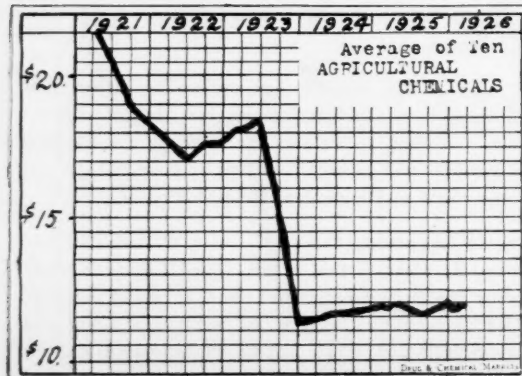
Blood—Continues to be sold and is in excellent demand at 55c@60c per lb, with a continuance of the spot shortage reported.

Egg—Is a shade easier on spot and offered at \$1.00@\$1.05 lb as to beating quality. In excellent demand for shipment at the moment.

Vegetable—Leading dealers report that the market

Agricultural Chemicals

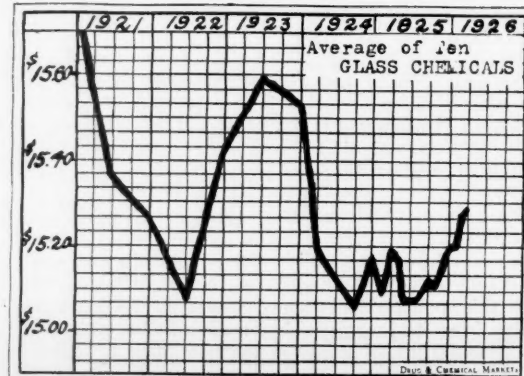
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid Sulfuric, 66° .. ton	\$14.00	\$14.00	\$14.00	\$14.00	\$55.00	\$20.00
Am. Sulfate .. 100lbs	2.75	2.75	2.95	2.95	1.75	2.65
Arsenic .. 100lbs	3.50	3.50	3.25	5.00	18.00	4.00
Copper Sulfate .. 100lbs	4.75	4.65	4.37 1/2	4.70	20.00	4.95
Paris Green .. 19	.19	.19	.19	.19	.50	.11
Potash Muriate, 80% ton	34.90	34.90	34.90	34.55		
Potash Sulfate, 90% ton	45.85	45.85	45.85	45.85	440.00	48.07
Phosphate, Acid 16% ton.	10.00	10.00	10.00	10.00	11.00	3.00
Phosphate, Rock 68% ..	3.25	3.25	3.25	2.50	11.00	3.00
Sodium Nitrate 100lbs ..	2.65	2.65	2.71	2.60	5.00	1.90
Average	11.860	11.853	11.857	11.720	103.50	13.84



INDUSTRIAL CHEMICAL SECTION

Glass Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Arsenic .. 100lbs	3.50	3.50	3.25	4.75	18.00	4.00
Fluorspar 96% c i f ton	33.50	33.50	33.50	33.50	60.00	28.00
Limestone ground .. ton	4.50	4.50	4.50	4.50	8.50	4.00
Litharge .. 100lbs	11.50	11.50	11.50	11.25	17.00	9.00
Salt Cake .. 100lbs	19.00	19.00	19.00	20.00	40.00	15.00
Silica crude .. ton	6.00	6.00	6.00	6.00	20.00	8.00
Soda Ash Dense .. 100lb.	1.45	1.45	1.45	1.45	4.10	.69
Sod'm Silicofluoride 100lbs	4.25	4.25	4.25	4.25	10.00	3.50
Sod'm Sulfate, anhy 100lbs	3.00	3.00	3.00	3.00	10.00	3.50
Tin Oxide .. 100lbs	66.00	66.00	66.00	57.00	100.00	60.00
Average	15.275	15.275	15.095	14.420	28.56	18.07



is in a very healthy condition with parcels moving at unchanged figures for both the edible and technical.

COLORS AND PIGMENTS

Blues—There is a better buying interest evidenced here but orders continue to be filled at 30c@33c lb.

Chrome Yellow—Is likewise in better demand both for new business and contract shipments with the price unchanged and none too firm at 16c@17c lb, f. o. b. works.

Chrome Green—Is unchanged for C. P. at 26½c@28½c lb, with a fair demand reported.

Toners—Are all moving in a slightly better volume at previously quoted figures of 75c@85c lb for para; lithol at 90c@\$1.00 lb with reports of shading and toluidine named at \$1.75@\$1.30 lb.

Litharge—In one direction makers announce a reduction to 10.60c@11.60c lb in casks for the commercial powdered.

Red Lead—A reduction in red lead is also in effect and prices now are 11¼c@12¼c lb in casks. Stocks are moving in fair volume.

DYE AND TAN WOODS

Divi Divi—Is unchanged this week, but in somewhat better demand at \$39.00@\$39.50 ton for shipment.

Mangrove Bark—Quiet both on spot and for shipment with dealers quoting at unchanged figures of \$39.00@\$40.00 ton for shipment.

Myrobalans—Since the recent reduction there has been no change with the market quiet and quoted at \$37.50@\$39.00 ton for J1; \$30.00@\$33.00 for J2 and \$28.50@\$29.00 for R2, all shipment prices.

Valonia—Is practically unchanged, but in somewhat better demand at \$53.00 ton for beards; \$40.00 ton for mixtures and \$35.00 for cups, all for shipment.

Wattle—A livelier interest has been noted this week and prices range from \$38.50 to \$41.00 ton as to position and seller.

FERTILIZERS

Blood—Has been quiet this week, with some contract shipments reported. Prices are unchanged at \$3.75 per unit spot. South American is firm at \$3.50 per unit for shipment. Chicago blood is maintaining its recent advance to \$4.10 per unit, Chicago.

Fish Scrap—Although the demand is not heavy as yet the price at Baltimore is up this week and is named at \$4.50 and 10c per unit, f. o. b. Baltimore.

Nitrate of Soda—Since the reduction in all positions to \$2.65 per 100 pounds, dealers report a livelier interest with quite large parcels beginning to move in this section at the quoted figures.

Potash Salts—Following the recent agreement among producers in France and Germany, the present schedule has been further guaranteed until Sept. 30 of this year.

Sulfate of Ammonia—Continues quiet and unsteady at \$2.75 per 100 lbs., New York and \$2.80, delivered Southern points. The f. a. s. price is lower at \$2.60 per 100 lbs., New York.

Tankage—Market continues quiet and unchanged in this section as well as for South American and Chicago.

INSECTICIDES AND FUNGICIDES

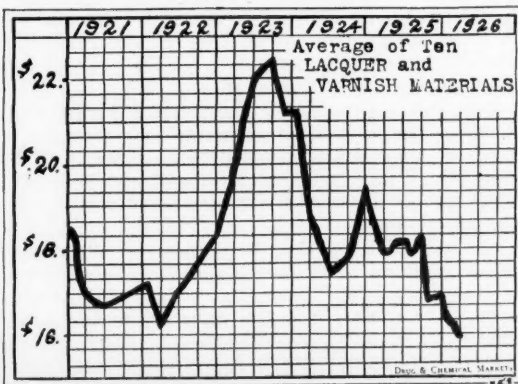
These items continue in good demand, and with the approach of the height of the consuming season are moving in a manner very satisfactory to all factors. Dry lime sulfur is named at a slightly lower figure than previously quoted. It is possible to buy in carlots at 7½c lb, f. o. b. works. Calcium arsenate continues quiet but all other insecticides are moving in excellent volume at unchanged figures.

METALS

Spot antimony is named at 17¾c@18c lb, with April arrivals a shade under this figure. April shipment and April-May shipment is named at 13½c lb for the latter and up to 14¼c lb for the former. The market is reported as firm. Lake and electrolytic copper are both

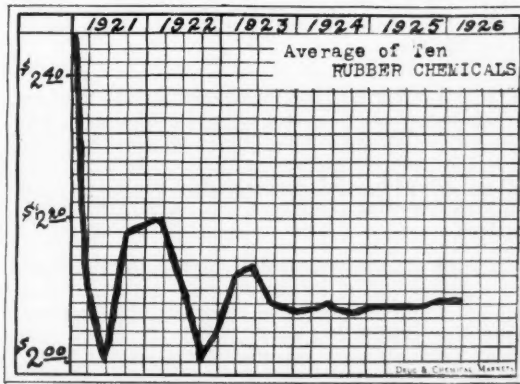
Lacquers and Varnishes

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetone e-l drs wks 10 lb	\$1.20	\$1.20	\$1.20	\$1.00	\$5.50	\$1.05
Butyl Al. dr wks	1.90	1.90	1.90	2.70		
Chinoid Oil bbls NY 10 lb	1.18	1.18	1.18	1.48	2.00	.68
Copal Congo, Amber 10 lb	1.00	1.00	1.00	1.00	1.90	1.80
Fusel Oil	1.25	1.25	1.25	2.60	4.00	2.50
Benz 90% tks wks 10 gal	2.40	2.40	2.40	2.10	3.00	2.50
Linsed Oil, e-l bbls gal	.80½	.80½	.84½	1.17	1.88	.58
Rosin F grade NY 28 lb.	1.21	1.26	1.38	.83	1.70	.43
Soluble Cotton	4.00	4.00	4.00	4.00		
Turp e-l ex-dock gal.	.95½	.98	1.01	.92½	.70	.49
Average	1.568	1.592	1.603	1.720		



Rubber Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Antimony Sulph. crom	.27	.27	.27	.39	.45	.35
Carbon Bisulfide	.06	.06	.06	.06	.50	.10
Carbon Black cases NY	.13	.13	.13	.11	.30	.14
China clay, Imp	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene	.82½	.82½	.82½	.82½	1.35	
Iron Oxide, Span	.03	.03	.03	.03	.04½	.05
Lithopone	.06½	.06½	.06½	.06½	.08	.04
Sulfur	3.05	3.05	3.05	3.00	6.50	2.75
Whiting, Dom	14.00	14.00	14.00	14.00	30.00	11.00
Zinc Oxide, Amer	.08½	.08½	.08½	.08½	.09½	.09
Average	3.462	3.462	3.461	3.454	5.937	...



unchanged at 14c lb spot. Silver, which eased off quite a bit during the week, recovered a bit to 63 $\frac{7}{8}$ c an oz. Tin is unchanged at 63 $\frac{1}{2}$ c lb. Lead is named at 7.85c lb, New York and 7.65c lb East St. Louis. Zinc is a shade easier at 7.30c lb New York and 6.95c lb, East St. Louis.

NAVAL STORES

The turpentine market here is off 2 $\frac{1}{2}$ c per gal. this week. The anticipated demand did not materialize to the extent that it was expected and the export inquiry is almost nil. However, the receipts at Southern points are not large and this is looked on as an encouraging sign by the trade here. Current quotations are 95 $\frac{1}{2}$ c@ \$1.00 gal. as to quantity.

The local rosin market experienced a severe decline last week with reductions ranging from 25c to \$2.00 on the high and common grades respectively. The market is potentially strong but there are no signs of an immediate brace. Current quotations are: B, \$8.25; D, \$8.65; E, \$10.50; F, \$12.10; G, \$12.35; H, \$12.50; I, \$13.00; K, \$14.00; M, \$14.15; N, \$14.50; WG, \$15.00 and WW, \$15.60.

(Special to DRUG & CHEMICAL MARKETS)

Savannah, Ga., April 19—During last week the local turpentine price declined 2 $\frac{1}{2}$ c per gal. to 89 $\frac{1}{2}$ c, which price was quoted at the closing on Saturday. There were no official sales reported Saturday, but it is believed that some small business was done at the market on private terms. This season's crop is some two weeks late at this writing and it is expected that consumers will be in need over replenishing their stocks before the new crop is offered for sale. Sellers here are not adverse to a reduction in price as they are of the opinion that this will lure buyers into the market at an early date. Receipts of turpentine last week were 895 bbls. Sales reported were 449 bbls., with the probability of that much more being sold without being reported. Shipments were 1,764 bbls., and Savannah stocks 3,184 bbls.

The local rosin market was featured in a drop in price all along the line, ranging from about \$1.00 to \$2.00 on the high to common grades. The market closed firm on Saturday with sales reported at 729 bbls. for the day. It is believed that in May when the receipts are heavy with a consequent decline in price, the demand will set in to such an extent as to boost the price before many weeks. The consumption of rosin this past year has been very satisfactory. Receipts this week were 2,689 bbls.; sales 3,147 bbls.; shipments 8,186 bbls., and Savannah stocks, 21,781 bbls.

Jacksonville, Fla., April 19—Closed firm on Saturday at 88 $\frac{1}{2}$ c with sales of 27 bbls. at this figure. Most factors were not disposed to sell at this figure. Rosin likewise closed firm with sales at 3,147 bbls. Rosin stocks were 64,745 bbls.

Textile, Leather & Metal Preserver Co., 2233 Superior st., Kalamazoo, Mich., is said to have preliminary plans under consideration for a new plant addition for which site will be selected in the near future. It is reported that an expenditure of approximately \$50,000 is contemplated, including equipment. Clarence D. Shaffer is president.

Logwood extracts exported from the United States during the month of February aggregated 91,232 lbs., valued at \$9,499. Other dye extracts for tanning amounted to 34,874 lbs., worth \$4,470. Crude dye and tanning materials were exported to the amount of 135 tons valued at \$7,415.

INDUSTRIAL CHEMICAL SECTION

Science and Sales

Hair is treated with per-salts, such as sodium perborate and sodium peroxide, before it is ready to be curled or felted together. French Patent No. 597,323.

Acetine added to solutions of rubber increases the elasticity of the dried coating obtained and also enhances the adhesive powers of the rubber cement. (Ger. Pat. No. 411,539).

Wood tar to which a little benzol may be added is used to rework rubber and after the removal of the wood tar, the rubber is washed with dilute solutions of alkalis. (German Patent No. 416,878).

Amyl acetate is made from pentane, which is obtained from petroleum. The pentane is chlorinated, then heated with sodium acetate to obtain amyl acetate. Chemical Trade Journal, 1926, page 350.

Ethylidene di-acetate is the starting point in a process for the manufacture of acetic anhydride and acetaldehyde, in which phosphoric acid is employed as a catalyst, according to U. S. Patent No. 1,578,454.

Theobromine is treated with chloromethyl ether to obtain a pharmaceutical compound which has the properties of caffeine, but which is more soluble in water. British Patent No. 242,296.

Antiseptics containing chloramine are prepared by the interaction of ammonia and chlorine in dilute aqueous solution, higher yields of chloramine being obtained by preventing the local rise of temperature. British Patent No. 245,820.

Phosphate in phosphate rock is rendered available by a process which consists in sintering a mixture containing ground phosphate rock and an alkali metal salt, and after treatment of the sintered mass, consisting mainly in calcining. United States Patent No. 1,578,339.

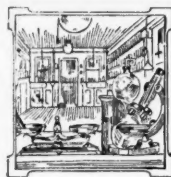
A method which can be used as a standard in determining the effectiveness of disinfectants has been worked out, as described in Wochens. f. Brauerie, volume 43, pages 25 ff., in which yeast is employed as the active agent, and a phenol solution as the control.

Methylene chloride is made by feeding chlorine and methane continuously to a reaction chamber maintained at an elevated temperature, the higher chlorination products being separated from the resulting gases, and the unattacked methane and the methyl chloride being returned to the chlorinator. British Patent No. 245,991.

A process for preventing the decomposition of Vitamin A in codliver oil preparations is patented in Brit. Patent No. 214,238. This consists in treating these preparations in the absence of atmospheric oxygen, the operations being carried out in the presence of carbon dioxide, nitrogen or other inert gas.

According to German Patent No. 401,353 mineral oils, low temperature tars and the like are heated gradually with alkali metals in the presence of neutral organic solvents such as alcohols, aldehydes, ketones, to 230 degrees C. The solvents are removed, air is blown through and the deposited impurities separated from the oil by filtration.

An investigation on the effectiveness of albumose-silver preparations, such as protargol, argyrol and the like, is contained in Pharm. Ztg., volume 263, pages 669-674. The results show that protargol contains the protein silver in finer subdivision. The superiority of protargol lies in the fact that it contains only a trace of insoluble matter.



Drug & Fine Chemical

SECTION



Expected Alcohol Merger Announced

H. I. Pfeffer, President, and B. R. Tunison, Vice President, Formerly With U. S. Industrial Alcohol Corp.—Five Prominent Concerns Involved—Will Manufacture Complete Line of Solvents

The formation of the American Solvents & Chemical Corp., with executive offices at 285 Madison Ave., New York, was announced last week. The founding of the new company is made possible by merging the interests of Everett Distilling Co., Everett, Mass., Jefferson Distilling & Denaturing Co., Harvey, La., Crescent Industrial Alcohol Co., New Orleans, La., Western Industries Co., Agnew, Cal., and Witbeck Chemical Corp., Albany, N. Y. The corporation will engage in the manufacture and distribution of a complete line of solvents, softeners, plasticizers and nitrocellulose solutions, as well as iodine and iodides. The present plants located in the above mentioned cities will be augmented by sales offices and warehouses established at various points throughout the country, in order to better facilitate the delivery and service to customers. The officers are as follows: H. I. Pfeffer, president; A. J. Pell and B. R. Tunison, vice presidents and Lester S. Bacharach, secretary-treasurer.

The new corporation in its issued statement says: "The merger of these corporations not only makes possible many economies, but through the pooling of individual experience, development, processes, patents, etc., gives to the trade the latest and proven results of the combined efforts of the industry. The management of the corporation will be in the hands of men who have had many years experience in the alcohol and chemical industries."

Codliver oil production for the last week in March was the biggest on record, amounting to 15,089 hectoliters. The total production so far this season has now practically reached that for the same period of 1925. The present market price does not cover the average cost of production and it is expected that a greater part of the quantity manufactured will not enter the market until prices have begun to improve. The price quoted on March 29 by Oluf Holm, Ltd., was \$28.00 for tin-lined barrels of 30 wine gallons, for this season's best non-freezing Lofoten oil.

WILL STUDY HOOK WORM

Hook worm control will be studied by Dr. Maurice C Hall, chief the zoological division, Bureau of Animal Industry, who will represent the Department of Agriculture in the research expedition to Central America for the purpose of studying the subject.

The department of medical zoology at Johns Hopkins School of Hygiene and Public Health and the International Health Board of the Rockefeller Foundation are co-operating in the work. The expedition to Central America will be divided into two groups, one of which

will go to Panama in June and the other to Nicaragua in May.

Investigations will be made in the densely populated rural sections where the results of control measures can be watched and compared with other places where no precautions against the disease have been taken.

OPIUM MADE MONOPOLY IN GREECE

Opium and coca importation and distribution as well as those of their derivatives and preparations, is a monopoly of the State by virtue of a law recently passed in Greece. Cultivation of coca can be only undertaken by licensed persons, and special regulations have been issued, concerning the preparation of opium by license holders. Hospitals and pharmacies will in the future obtain supplies of narcotics from the State, and all traffic in these drugs is prohibited. Pharmacists are obliged to keep a register of the amounts received and delivered. Failure to make correct entries, as well as the illegal sale of any narcotic, will be punishable by a fine of 30,000 drachma, while the medical practitioner who prescribes narcotics without proper grounds for their use renders himself liable to the same penalty. Persons who have in stock narcotics not supplied by the State, three months after the enforcement of the law, as well as smugglers, will be fined at the rate of 50,000 drachma for each kilo of opium and 1,000 drachma for every gram of morphine, cocaine or other narcotic which is found in their possession.

SEEK CLOSER NARCOTIC CONTROL

Washington, D. C., April 17—More effectual enforcement of the Narcotic Drug Act is provided in a bill introduced by Representative (Mrs.) Norton of New Jersey and referred to the Committee on Appropriations. The bill provides an appropriation of \$700,000 for the enforcement of the various activities relative to narcotics carried on by the Government.

Quinine, sulfate and other salts of cinchona to the amount of 25,654 ounces, valued at \$14,723, were exported during January. Antitoxins, serums, and vaccines amounted to \$128,055, other medicinal and pharmaceutical preparations, \$1,344,695. Ginseng exported aggregated 40,051 lbs., worth \$532,119. Other crude vegetable drugs totaled 510,839 lbs., valued at \$102,053. Peppermint oil exports totaled 962 lbs., valued at \$15,321, and other essential or distilled oils exported totaled 116,086 lbs., worth \$85,935.

Narcotic Bureau of the Police Department of New York as reported by Police Commissioner McLaughlin made fifty-five arrests in March for illegal sale of narcotics as against nineteen during the same month last year. Ninety-seven arrests were made for illegal possession, against eighty-two last year.

The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, see Chemical pages 1174-1252

MAKERS REDUCE QUININE 10c OZ.

Salicylates Unsteady—Coumarin Down—Mercury Slightly Unsettled—Bromides Steady and Quiet—Menthol Declines Further—Some Makers Fail to Reduce Alkaloid Quotations—Demand for General List Fair—All Reductions Forced By Competition—Codliver Oil Lower

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced
	No Advances
	Declined
Caffeine 35c lb.	Codliver Oil \$1.00 bbl
Coumarin, 10c lb.	Quinine Salts, 4-18c

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid	\$.35	\$.35	\$.35	\$.35	\$2.00	\$.20
Acid Citric Import ....	.44%	.44%	.44%	.46%	1.25	.45
Caffeine, Alkaloid	3.75	3.75	3.75	3.75	13.00	3.65
Calomel, American	1.45	1.45	1.45	1.37	3.43	.90
Camphor, Jap. ref .....	.78	.78	.80	.77%	3.55	.41
Iodine, Resublimed	4.65	4.65	4.65	4.65	5.00	3.75
Menthol	5.50	5.50	5.50	11.75	13.50	3.00
Potassium Bromide, Cryst. ....	.48	.48	.48	.48	4.30	.80
Quinine Sulfate Imp .....	.50	.50	.50	.50	.00	.25
Sodium Salicylate .....	.38	.38	.40	.40	4.25	.27
Strychnine Sulfate .....	.42	.42	.42	.57%	1.05	.50
Average	1.687	1.687	1.701	2.28	5.92	1.56

The tone of the market continues very quiet, although there seems to have been a slight improvement in buying during the week over that noted for last week. April seems to have fallen slightly behind March in volume of trading so far. With the market in this condition, competition along certain lines has been very keen and makers have announced one or two declines in price, while a number of other prices are generally understood to be shaded, although open quotations are unchanged. The majority of prices remain unchanged and not all the changes noted can be attributed to competition. Makers yesterday announced a radical reduction in all quinine salts following keen competition.

Codliver oil has declined further as it is to be expected at this time of the year, as the reports of the new catch come in favorably. Some of the factors have failed to fall into line on the recent reduction in alkaloids, but competition in that line has been keen and recently announced figures are in line with general transactions. The situation in salicylates is still unsteady and prices broke further this week although some factors anticipate an early recovery in that group. Makers have announced a reduction in coumarin. Bromides are steady, with little interest shown in the majority of acids. Mercury is unsteady at the moment, with prices a trifle easier both here and abroad. Menthol has been unable to sustain its recent reaction and has again declined to recent low figures. Other items on the whole remain unchanged.

Acetanilid—Quiet and unchanged in price.

Acetphenetidin—No change noted in this situation.

Acid, Acetylsalicylic—Makers have reduced their price to 65c@70c lb following reduction in salicylic acid.

Acid, Benzoic—Normal volume of business reported with prices unchanged.

Acid, Carbolic—Some improvement in demand has

been noted during the week, but prices are steady and unchanged at 24c@35c lb as to quantity.

Acid Citric—None is offering from abroad and spot prices for imported goods are practically on a parity with domestic goods.

Acid, Diethylbarbituric—Very quiet with prices unchanged.

Acid Phosphoric—Steady at former prices.

Acid, Salicylic—Following keen competition, makers have reduced their price to 30c@35c lb.

Acid, Tartaric—Tariff revision agitation continues to create some interest in this item, which is unchanged in price.

Adeps Lanac—No change noted with prices steady.

Alcohol—Spot market continues dull with increasing buying interest for future positions. Sellers are unwilling to sell much more than a month ahead at present figures, and will probably tighten up further very shortly. Present prices are unchanged.

Alkaloids—Caffeine has been officially reduced to the price of \$3.40@\$3.50 lb in cans, at which price it has been selling for some time. Some factors have not yet announced any change in those that declined last week, but competition in this line has been keen for some time.

Aloin—No change noted in price or position.

Amidopyrine—Quiet routine trading noted at unchanged prices.

Antipyrine—Shading of quoted prices is more or less prevalent with demand seasonally light.

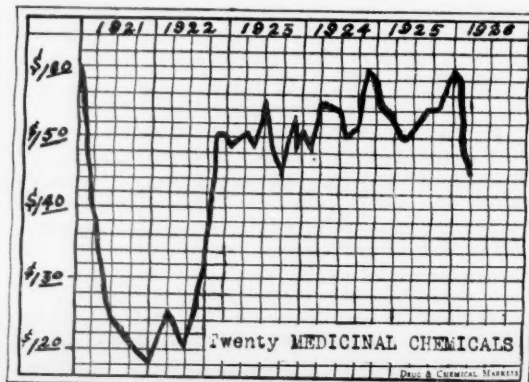
Bismuth Salts—Outside lots of subnitrate continue to be available at prices below schedule. Quotations are unchanged throughout the list.

Bromides—Demand is reported improved for both ammonia and potash at unchanged prices with soda quiet and also unchanged.

Camphor—Market remains basically firm and steady with prices unchanged at 79c@80c lb for Japanese slabs. Lower prices seem improbable for some time. Domestic slabs are unchanged at 84c lb.

Chloroform—Firm and unchanged with resale lots quoted below manufacturers' figures.

Codliver Oil—Reports of the new catch are said to compare favorably with previous years and the price on



spot has declined to \$30.00@32.00 bbl. as to brand and quantity.

Coumarin—Makers have announced a reduction to \$3.00 lb in 5-lb. tins, and are soliciting inquiries for larger amounts.

Epsom Salts—Quiet and unchanged, moving normally.

Formaldehyde—Good, steady demand reported with prices firm and steady.

Furfural—No change noted in price or position.

Fusel Oil—Continues weak with prices unchanged but unsteady.

Glycerin—Another period of quiet has fallen over this market and trading is almost at a standstill. Prices are unchanged at recent figures.

Guaiacol—Competition continues keen for carbonate with crystals and liquid not quite so active. Prices unchanged.

Haarlem Oil—Recent decline in domestic to \$3.20@ \$3.25 gross, is reported to have stimulated demand and market is fairly active at those prices.

Iodides—Steady routine demand noted at unchanged prices.

Iron Salts—Moving into consuming channels at unchanged prices and with no spectacular developments.

Menthol—Recent recovery was not sufficiently strongly based to be maintained and prices have again fallen to \$5.50@\$5.65 as to quantity. Trading in futures has fallen off.

Mercury—Market has shown sudden firmness and holders have advanced their price to \$91.00@\$91.75 flask.

Mercurials—Prices are firm with demand somewhat less than recently noted.

Methanol—Factors profess to see additional strength in this market which continues keenly competitive.

Methyl Salicylate—Very unsteady at recent reduction, brought about by keen competition.

Paraldehyde—Continues scarce with prices unchanged.

Potassium Permanganate—There is little interest noticeable in this market with prices unchanged.

Quinine—Makers yesterday announced a reduction in all the quinine salts, bringing the sulfate down to 40c oz., bisulfate to 40c oz., ethyl carbonate to 62c oz. and other salts to corresponding levels.

Saccharin—Keen competition is noted here with prices unchanged.

Santonin—No change noted in this market.

Sodium Salicylate—Makers have announced a further reduction to 37c@40c lb following reduction in the acid.

Thymol—Easy and unchanged in price.

German Pharmacopoeia preliminary work has now been completed and the text awaits the approval of the Reichsrat before going to press. The new work is expected to appear some time during the coming summer.

Chicago Perfumery, Soap and Extract Association will hold its annual Spring Dinner Party at Chez Pierre, Fairbanks Court and East Ontario Street, Chicago, Ill., on Thursday evening, April 29.

Theodore J. Bradley, president-elect of the American Pharmaceutical Association, is to be the guest at a banquet of Massachusetts and other New England druggists on April 29 in Boston.

EXPECT QUININE REDUCTION IN LONDON

Lemon Oil and Camphor Oil Higher—Opium and Belladonna Root Advance—Market Much More Active—Easier Market for Peppermint Oil, Bergamot Oil, and Cocoa Butter—Codliver Oil Lower—Mercury Reduced
(Special to DRUG & CHEMICAL MARKETS)

London, April 21 (By Radio)—A marked increase in activity in the market is noted here. Higher prices are being obtained for lemon oil, camphor oil, opium, belladonna root and turpentine. A firmer market is being experienced in shellac and cotton oil futures. Easier conditions are reported in cocoa butter, peppermint oil and bergamot oil. Lower prices are quoted for codliver oil, antimony, pepper, mercury, carbolic acid, and pyridine. A reduction in quinine sulfate is expected tomorrow.

London, April 10 (By Mail)—The Easter holidays this year extending over four days without a break are largely responsible for neglected markets but threatened labor troubles and the further heavy fall in the French franc are also accountable for a total absence of speculation and a general want of confidence in the near future. Prices have with few exceptions moved in buyers' favor.

Hydrastis higher at 23s 6d per lb on spot sellers.

Codliver oil Lofoden: The closing weeks of this year's fishing have been very good both as to catch and render of oil of steam-refined quality and the Bergen price has fallen to about 114s per bbl. f. o. b.

Lemon oil: Owing to the total absence of orders in Sicily for export and money stringency, supplies of citrate of lime have been pressed on the market at lower prices and the essential oil has been sold down to 8s per lb c. i. f. Large consignments have arrived here and spot sellers are asking 8s 3d per lb.

Orange oil: Quoted lower at 10s per lb.

Bergamot oil: Also quoted lower at 30s to 32s per lb.

Peppermint oils: Neglected and tending easier. Japan dementholized at 12s per lb and American tins and cases at 70s per lb are freely offered.

Spearmint oil has declined to 40s to 42s per lb on spot.

Linseed oil, soya oil, Chinawood oil and lactic acid have all improved in value and have a very firm undertone.

Speculative items such as mercury, pepper, rubber and shellac in the absence of orders have further weakened and close with an easier tendency.

DEATH OF DR. A. B. LYONS

Dr. Albert B. Lyons, chemist, and the author of a number of scientific books, died last week at his home, 274 Alger ave., Detroit, Mich. Dr. Lyons was graduated from Williams College in 1865 and from the Medical School of the University of Michigan in 1868. He was one of the founders and first editor of the Pharmaceutical Era. He was a member of the Committee of Revision of the United States Pharmacopoeia from 1900 to 1920, and was a member of many scientific societies in this country and England. Among the scientific books of which he was the author, are: "Plant Names, Scientific and Popular" and "Standardization By Chemical Assay of Organic Drugs."

Semi-manufactured products containing santonin exported from Russia are subject of a tariff of 150 roubles per kilo. Among the articles which may not be exported are wormseed, flowerheads, and seeds of santonica.

The Crude Drug Market

Current Spot Quotations for Crude Drugs, pages 1193-1198

STILLINGIA ROOT SCARCE AND HIGHER

Considerable Demand Depletes Spot Stocks—Arnica Flowers Scarcer—Cascara Now Being Watched With Interest—Bryonia, Colchicum, Hellebore, Tamarinds Show Better Interest—Ergot Continues Firm—Spices Quiet and Weak—Damiana Steady—Market Shows No Unusual Activity

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Arnica Flowers, 1c lb.		Colchicum Seed, 3c lb.	
Cinnamon, Cey., 1c lb.		Stillingia Root, 3c lb.	
Cardamom Seed, green, 5c lb.		Manna, 4c lb.	
Celery Seed, 1c lb.		Musk Root, 5c lb.	
Ginger Afr., 2c lb.		Orris, Flor., powd., 1/2c lb.	
Henna, whole, 1c lb.		Pepper, 1/2c lb.	
Larkspur Seed, 5c lb.		Pimento, 1/2c lb.	
Lavender Flowers, ord. 3c lb.		Poppy Seed, Du., 3/4c lb.	
		Saffron, Span., 50c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, USP	\$2.24	\$2.24	\$2.24	\$3.33	\$9.90	\$4.42
Buchu Leaves Short .....	.45	.45	.47	.65	4.00	.85
Cantharides Russian .....	.60	.60	.60	.85	9.00	2.10
Cocculus Indicus .....	.06	.06	.06	.08 1/2	.85	.03
Ergot, Spanish	1.25	1.25	1.20	.48	4.50	.54
Insect Powder, pure .....	.29	.29	.29	.41	1.00	.28
Ipecac, Cartagena powd	3.55	3.55	3.65	2.35	4.50	1.35
Nux Vomica .....	.04 1/2	.04 1/2	.05	.05 1/2	.14 1/2	.07
Opium gum	12.00	12.00	12.00	12.00	30.00	5.00
Rhubarb Root, HD .....	.35	.35	.35	.32	1.75	.15
Tragacanth, No 1 ribbon	1.65	1.65	1.65	1.40	6.00	1.50
Wild Cherry Bk.Thin nat .....	.07 1/2	.07 1/2	.07 1/2	.09	.21	.07
Average	1.727	1.727	1.733	1.585	5.28	1.60

Trading in the line of crude drugs, waxes, gums and spices during the week continues along routine lines recently noted. There seems to be little real activity, yet most factors state that at the close of a day, the total trading shows up favorably. Consumers are still buying only according to their current needs with the result that the dealers must keep constant supplies on hand in order to supply each order as it appears. Prices as a general thing are steady and firm, with a little interest already appearing in the 1926 crops. This results in a slight hesitancy to buy in some instances and prices are likely to shade off a trifle in these cases. Stillingia root has shown unusual activity during the week with the result that stocks have become depleted and prices have advanced. There has also been additional inquiry noted in such items as bryonia, colchicum seed, hellebore, henna, henbane, and tamarinds. Ergot and lycopodium continue to be firm features of the market, while damiana is comparatively quiet. Larkspur seed continues to decline.

Botanical Drugs

Aconite—Firm at unchanged prices.

Arnica Flowers—Fresh inquiry, following recent strength in this market, has further advanced the price to 18c@20c lb.

Arrowroot—Inquiry has been better lately, with prices firm and unchanged.

Balsams—Some slight weakness has been intimated in copaiba balsams, but prices are unchanged throughout the list.

DRUG AND FINE CHEMICAL SECTION

Belladonna—Market is quiet but firm. Root is quoted at 16c@22c lb as to holder with none offering from source.

Buchu—Continues quiet and unsteady at 45c@47c lb.

Bryonia—Spot stocks are rather limited with a fair inquiry showing. Prices are unchanged as yet.

Cardamoms—Bleached goods continue scarce and high. Green grinding grade is lower at \$1.10@1.20 lb.

Cascara Sagrada—Some interest is already being evidenced in the 1926 crop, with prices for old crops unchanged.

Celery Seed—Lower at 20 1/2c@23c lb as to holder.

Chamomiles—Quiet and unchanged at recent prices.

Colchicum Seed—Considerable inquiry has resulted in depletion of stocks and higher prices of 20c@21c lb.

Damiana—Lower prices are intimated in some directions, but are unconfirmed. No weakness is indicated by factors.

Digitalis—Steady and unchanged.

Ergot—Continues very firm with recent prices unchanged. It seems probable that \$1.35 will soon be the inside price.

Fennel—French is quoted lower in one direction at 7 1/2c lb with most holders asking 8c.

Gentian—Steady and unchanged.

Goldenseal—Continues firm with no change noted in prices.

Hellebore—Some interest has been noted in powdered white which is unchanged in price at 10 1/2c@11c lb.

Henbane—Firm and steady at 22c@24c lb as to holder.

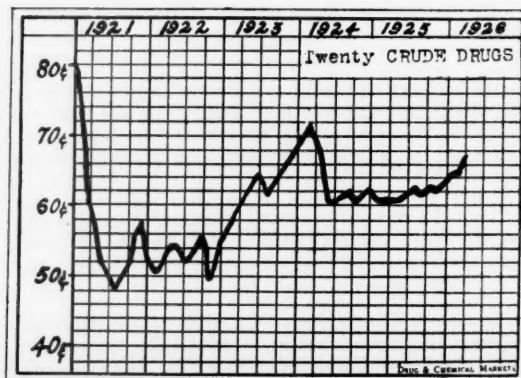
Henna—Whole is again offered at 10c@11c lb with powdered firm at recent quotations.

Insect Powder—With the season about to open, additional interest is noted with prices unchanged.

Larkspur Seed—Continues to decline. Price is now \$1.55@\$1.60 lb.

Lavender Flowers—Ordinary flowers are lower at 25c@28c lb with selected unchanged.

Lycopodium—Continues very firm at unchanged prices.



Manna—Large flake is in poor demand and has declined to 55c@60c lb with small flake more readily available at 48c@52c lb.

Musk Root—Continues to decline and is now quoted at 55c@60c lb.

Nux Vomica—No change noted in either price or position.

Orris—Powdered Florentine is lower in one direction at 11½c@13c lb. Other grades and varieties are unchanged.

Poppy Seed—Dutch is lower at 14c@15c lb with other varieties unchanged.

Rhubarb—Some lots are again available at 35c lb with other holders firm at 40c. Powdered is unchanged.

Saffron—Spanish is quiet and lower at \$24.50@\$25.00 lb with American unchanged.

Senega—Unchanged in price and position.

Senna—Firm with prices steady at recent advance for Tinnevely.

Stillingia—Recent inquiry has about cleaned out stocks and prices for such goods as are available have advanced to 14c@18c lb.

Tamarinds—Kegs have been scarce for some time but are again offered at \$3.75@\$3.80 with barreled goods unchanged.

Valerian Root—Continues very firm with prices unchanged.

Gums and Waxes

Arabic Gum—Firm and unchanged in price and position.

Asafetida Gum—Fair activity noted at unchanged prices.

Benzoin Gum—Unchanged at recently reduced price of 32c@35c lb.

Beeswax—Shows no change.

Montan Wax—Firm at unchanged prices.

Sandarac Gum—Quiet at recent levels of 34c@36c lb.

Tragacanth Gum—Continues very firm at recent prices.

Spices

Cassia—Market continues easy with lower tendency noted in Batavia goods but prices unchanged.

Cinnamon—Ceylon No. 1 is higher at 53c@54c lb with No. 3 also advanced to 51c@52c lb.

Ginger—African is lower at 9½c@10½c lb with Cochin, Japan and Jamaica unchanged.

Mustard—Continues very quiet with price shading possible but quotations generally unchanged.

Peppers—Market remains easy with black peppers lower at 22c@23½c lb and whites also lower at 33½c@34c lb.

Pimento—Lower at 13½c@14c lb.

Thyme—Quiet and unchanged.

The Wholesale Drug Trade Bowling Tournament resulted in evenly divided honors among the three leading teams last week. E. R. Squibb No. 1 beat Colgate, who won from R. & H. C. Co. The latter team in turn beat E. R. Squibb's No. 1. Each of these three teams won two games and lost one, leaving their positions unchanged. E. R. Squibb's No. 1 lost two games, one to Colgate & Co. and one to R. & H. C. Co.

Kauri gum production in New Zealand for the year 1925 totaled 5,069 tons, according to a report by George H. Lincks, of New York, gum merchant. The exports to nine countries exceeded the production by 329 tons. The United States received 2,622 or nearly one-half the entire quantity exported, valued at \$211,486.

Price List Revisions on Proprietary and Toilet Preparations

Item	Unit	Now	Was
American Drug & Chemical Co., Minneapolis, Minn.			
N-Chloro-Zinc Capsules, retails \$1.00	doz.	7.30	
Pariogen, Vaginal Antiseptic Tablets, retails \$1.00	doz.	7.50	
Blackburn Products Co., Dayton, Ohio			
N-Chex-deodorant soap, retails 25c	doz.	2.00	
Borchardt Malt Extract Co., Chicago, Ill.			
N-Phosphorized Cod Liver Oil, pints	doz.	8.00	
N-Phosphorized Cod Liver Oil, 4 oz.	doz.	3.50	
Calco Chemical Co., New York			
D-Cinchophen, Calco, ozs.	each	.75	1.00
D-Cinchophen, Calco, Tablets, 7½ gr., 20's	each	.40	.40
D-Cinchophen, Calco, Tablets, 7½ gr., 100's	each	1.45	1.65
Cinchophen, Calco, Tabs., 7½ gr., 250's	each	3.50	
Cinchophen, Calco, Tabs., 7½ gr., 1000's	each	12.50	
The Herpicide Co., Detroit, Mich.			
Newbro's Herpicide, large size	doz.	9.00	
Newbro's Herpicide, small size	doz.	4.50	
Herpicide Tar Soap	doz.	2.25	
N-Newbro's Qui-9 Hair Tonic, 3 oz.	doz.	9.00	
N-Newbro's Qui-9 Hair Tonic, 3½ oz.	doz.	4.50	
Northwestern Yeast Co., Chicago, Ill.			
D-Yeast Foam Tablets	doz.	8.00	9.00
G. F. Harvey & Co., Saratoga Springs, N. Y.			
Saratoga Ointment, ½ oz. tubes	doz.	1.35	
Saratoga Ointment, 2 oz. tubes	doz.	2.80	
Saratoga Ointment, 4 oz. tubes	doz.	4.20	
Saratoga Ointment, 16 oz. tins	doz.	12.00	
Polk Miller Drug Co., Richmond, Va.			
N-Sargeants No-Tar Odor Mange Medicine	doz.	6.00	
Zonite Products Co., New York			
N-Zonite Ointment	doz.	4.00	
Eskil Halle, Brooklyn, N. Y.			
C-Lakerol Pastilles, Swedish Cough Drops, retails 35c	doz.	2.80	
C-Hamoes Hair Culture, retails \$1.50	doz.	12.00	
C-Haxan Metal Polish, retails 75c	doz.	4.50	
A. T. Stoeger, Inc., New York			
C-Hunyadi Janos Water, retails 50c, cases of 50 bottles	each	18.00	
C-Hunyadi Janos Pills	DISCONTINUED		
Stomatol Company of America, Highland Park, Ill.			
Stomatol Tooth Paste, retails 50c	doz.	4.00	
Stomatol Mouth Wash, small size, retails 65c	doz.	4.80	
Stomatol Mouth Wash, larger size, retails \$1.25	doz.	9.00	
Stomatol Mouth Wash, dentist's size, retails \$2.25	doz.	16.50	
Shavitol, shaving cream, retails 25c	doz.	1.80	

Sudan Gum Acacia is being harvested and exported to a much larger extent than formerly. During 1923-25 the average exports amounted to approximately 20,600 tons, which was the largest showing of the past twenty-seven years, according to "Chemist and Druggist." Not only is the crop increasing, but the world's consumption also. A large crop is expected in 1926, partly on account of the regular and sufficient rains in the gum-producing areas, and the absence of cold weather. Also the natives are expected to collect as much gum as possible on account of the high price of staple food.

Senega root, gathered in Canada, is now being shipped in large quantities to the United States, according to Vice Consul Lucius H. Johnson at Winnipeg, in a report to the Department of Commerce. Exports of this root from Winnipeg to the United States in 1925, amounted to 155,069 lbs., valued at \$92,649.

Ergot prices in Spain are expected to advance for the current year to about eleven to twelve pesetas per kilo. The spot price for 1925 was from five to six pesetas per kilo. Ergot is chiefly exported to Germany, England and the United States.

Cardamom exports from Ceylon to the United States dropped from 110,000 lbs. in 1921 to 38,978 lbs. in 1925. Exports to Germany have greatly increased over those of 1924. Total exports from the country aggregated 331,871 lbs. in 1925 as against 270,687 lbs. in 1924.

The Essential Oil Market

Current Spot Quotations for Essential Oils, pages 1198- 1200, Aromatic Chemicals, 1201

LEMON OIL ADVANCED ON SPOT

Advance of 5c Lb. Recorded This Week—Bergamot Also Up—Orange Quiet and Unchanged—Peppermint Potentially Stronger With Advance Expected—Oil Citronella and Spearmint Softer Here—Other Oils Unchanged—Market Outlook is Firm

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced					
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Lemon, Ital., 5c per lb.	7.75	7.50	7.00	3.50	7.00	5.00
Oil Petit Grain, 10c per lb.	.45	.45	.45	.65	1.02	.60
Oil Cade 1c per lb.	1.85	1.85	1.85	1.75	3.70	1.40
Oil Bergamot, 25c per lb.	2.50	2.45	2.60	1.00	1.70	2.00
Oil Almond, Sweet, 2 1/4c per lb.	15.00	15.00	16.25	13.50	9.00	2.24
Oil Lavender, USP, 5c per lb.	7.10	7.10	7.10	7.00	14.00	5.25
Oil Citronella, 45c per lb.	.27	.27	.27	.27	1.00	.26
Oil Sassafras, Artif	8.10	8.10	8.10	8.25	31.00	3.10
Coumarin	1.25	1.25	1.25	1.30	5.15	1.50
Benzaldehyde, USP	.37	.40	.40	.47	1.00	.85
Methyl Salicylate Can.	.37	.40	.40	.47	1.00	.85
Vanillin	.49	.49	.49	.49 1/2	.95	.20
Average	3.632	3.605	3.697	2.96	6.83	2.05

An advance of 5c per lb on Italian lemon oil featured the trading in this week's essential oil market. The recent decline has been checked and higher prices are again looked for. With the approach of the consuming season, factors here regard the position as very firm. Bergamot is also higher in all quarters, with a continuance of the scarcity of spot goods. Peppermint is also reported as firmer, though no actual price advance is noted. Dealers are confident that it has touched its low ebb for the time being at least and look for it to react. Citronella oil is characterized as being soft and unsteady, as is spearmint. Expressed limes are scarce and quoted in a nominal way only. Oil almond, caraway, ginger, lavender and pimento are all lower on spot. All other oils have shown little or no change since last report, but are in fair demand and are steady. The market as a whole seems better this week and with the advent of the Spring buying season on several items a firmer tendency and probably higher prices may well be expected. Vanilla beans are firm and scarce on spot, with all arrivals being sold without trouble.

Essential Oils

Oil Almond—Sweet almond oil is again lower this week and is now offered at 90c@92c lb spot. Bitter is quiet and unchanged.

Oil Anise—Continues firm with no price changes noted.

Oil Apricot Kernel—A continuance of the scarcity on spot is in evidence, with what material there is being firmly held at 65c@68c lb.

Oil Bergamot—Is quoted higher this week. One importer names \$7.85 lb for spot goods, but in other quarters as low as \$7.75 is quoted. The market is very firm at these prices.

DRUG AND FINE CHEMICALS

Oil Cade—Is quoted a shade higher at 27c@28c lb for spot parcels.

Oil Cananga—A continuation of strength in the primary market holds the price at the recent advance to \$3.80@4.00 lb for native and \$4.10@4.25 for rectified.

Oil Caraway—Continues easy this week and is offered at \$1.45@1.50 lb spot.

Oil Cassia—Market is firm and unchanged at \$2.75 lb for rectified.

Oil Citronella—The market for both Ceylon and Java is characterized as soft, but no actual decline was recorded. Ceylon is quoted at 45c@49c lb and Java is unchanged.

Oil Ginger—Is moving in fair volume at \$8.25@9.00 lb, with the lower figure generally being done.

Oil Lavender—Is named at \$4.60 lb this week, which figure represents a slight reduction from recent quotations.

Oil Lemon—The downward movement is said to have been effectively checked and in most quarters the price has been advanced to \$2.50@2.60 lb spot. With the approach of the heavy buying season, lemon is in a very strong statistical position and further advances are not unlikely.

Oil Limes—Spot stocks continue very small and prices are quoted in a nominal way at \$9.50@10.00 lb for expressed and \$7.00@7.50 for distilled.

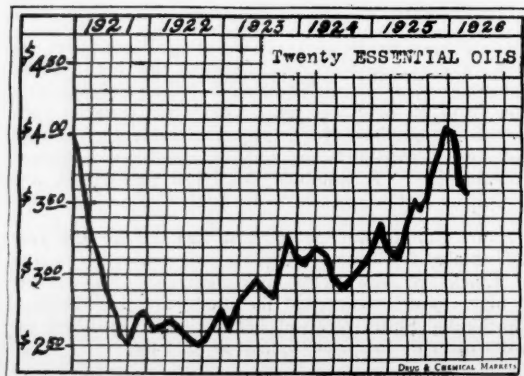
Oil Orange—In one quarter the price is a shade easier this week at \$2.70 lb. The market is quiet but continues quite strong in spite of this shading.

Oil Patchouli—Is unchanged and firm at \$7.00@7.50 lb spot.

Oil Peppermint—Is decidedly firmer this week. No price change is recorded but the decline has been definitely checked and the market as a whole has a strong aspect. Stocks seem to be in better control and an advance is quite probable.

Oil Petit Grain—South American oil is a bit higher at \$2.35 lb spot. Other grades are unchanged.

Oil Pimento—Is again lower and quiet at \$4.50 lb in one quarter.



Oil Spearmint—Is easy on spot and offered at \$7.25@ \$8.25 lb as to holder. The interest is routine.

Oil Wormwood—Continues scarce on spot and the market is firm at \$7.00@ \$7.75 lb.

Aromatic Chemicals

Benzaldehyde—Steady with U. S. P. quoted at \$1.25 @ \$1.40 lb, spot.

Benzyl Acetate—Market is quiet with some business at \$1.10@ \$1.25 lb.

Citronellol—Quiet and lower at \$5.75@ \$6.50 lb.

Coumarin—Makers have reduced the price to \$3.00@ \$3.10 lb in cans.

Methyl Salicylate—Competition continues with makers quoting 35c lb in drums and 37c lb in tins.

Vanillin—Unchanged this week with makers quoting 49c@ 51c oz., with resale parcels somewhat under this figure in bulk quantities.

Vanilla Beans

Leading importers here state that there has been no change in the firm position of the market. Recent importations were sold immediately on arrival and have had no effect on the spot situation. Current quotations are: \$6.00@ \$9.50 lb for Mexican whole beans; \$4.00@ \$4.50 for Bourbons; \$3.75@ \$4.00 for South American and \$2.50@ \$2.75 for Tahitis.

Jasmine culture occupies about half of the valuable land in the vicinity of Grasse, France. It is easy to grow as it flourishes abundantly, according to Consul Otis A. Glasebrook at Nice, France, in a recent report to the Chemical Division of the Bureau of Foreign and Domestic Commerce. Culture of jasmine costs 1.25 to 1.50 francs a square meter to prepare the ground for the planting and 2 francs a square meter if the land is stony and about the same to plant it. Cutting of wild jasmine costs 150 francs per 1,000. It takes 100,000 cuttings to plant one hectare of land (2.5 acres), and once the plant commences to bloom it gives a yield of 3,000 to 4,000 kilos of flowers per hectare in a season under favorable climatic conditions. Continuous rains or mistral winds reduce the crop almost 50 per cent.

Citronella oil exports from Ceylon during 1925 amounted to 1,407,800 lbs. against 1,405,273 lbs. in 1924. Shipments to the United Kingdom have declined, but other countries have taken more. The United States received 636,797 lbs. in 1925 against 564,929 lbs. in 1924. The market has declined in sympathy with Java citronella oil and other oils of a similar nature. The inquiry for pure oil continues, but the bulk of the exports is of the ordinary fair average quality, which seems to satisfy the trade in general.

Italian lemon oil has been practically without demand from abroad since the beginning of February, due, it is thought, to the rapidity at which prices advanced during January, and to consequent profit making by the dealers in secondary markets, who were fortunate enough to have placed forward contracts when the market was on a much lower level. Orange oil is said to be weak and in lack of demand. The market is calm for bergamot oil with lack of both buyers and sellers, according to Fratelli Jung of Palermo, in a report to Joseph H. Bowne.

Imports of essential oils during February declined to \$109,700. Lavender oil and otto of rose were the only oils which were imported in larger amounts. The value of lemon oil imported was higher but the quantity was less.

HOUBIGANT FORBIDDEN TO FIX PRICES

Federal Trade Commission Finds Perfume Manufacturer is Employing Unfair Competition—Findings State Company Has Agreements With Retailers—Secures Co-Operation Between Agents and Dealers

Houbigant Inc., New York, have been ordered by the Federal Trade Commission to discontinue certain business practices in connection with price fixing which have been found by the Commission to be unfair methods of competition. The findings state that, in accordance with a policy adopted by the concern of maintaining fixed standard prices, at which its products are to be resold, it has sought and secured the co-operation of its retail dealers and of its officers, agents and employees. The findings further state that the company has secured agreements from its customers to sell at the established prices, and such dealers are requested to report the names of price cutters. Also, that the company had refused further sales to those found to be selling its goods below standard prices, unless the price cutters would give satisfactory assurance that the established prices would be maintained thereafter.

One of the principal jobs of management is "to search for and train men who can fill important positions later on" was the opening paragraph of an illuminating article by Edward Plaut, president of the Lehn & Fink Product Co., in a recent issue of "Printers' Ink." Mr. Plaut goes on to say that he is more interested in seeing how a man stands hard labor and how he develops his ability to work with other men than he is in discovering how quickly he can pick out all the vowels in a twenty-eight word sentence or how sure his memory is concerning historical events in the Middle Ages.

Rose oil exports from Bulgaria during the month of December, 1925, now available, show that 109 kilos, valued at 6,337,580 levas were exported from that country to the following countries: Austria, 35; Germany, 11; Italy, 4; Switzerland, 9; France, 50 kilos; United States, 400 grams, and Turkey, 28 grams. During the entire year exports of rose oil totaled 2,169 kilos, valued at 88,731,681 levas.

Sandalwood oil exports from India during the past three years ending March 31, 1923, 1924, and 1925 were 127,494 lbs., 152,805 lbs., and 188,848 lbs. respectively. Shipments of sandalwood oil from India to the United States have been steadily increasing. Shipments during the fiscal years ending March 31, 1923, 1924, and 1925, were 103 tons, 220 tons and 395 tons, respectively.

Representative Hickey, of Indiana, has introduced a bill in the House which has been referred to the Ways and Means Committee to amend paragraph 59 of the tariff act dealing with essential oils. The Hickey bill would change the duty on peppermint oil from 25 to 100 per cent. The duty on the other oils remains the same.

Peppermint planting will be considerably increased this year, in the opinion of government officials, owing to the high prices of peppermint oil that have been prevailing. The Department of Agriculture reported that 16,000 acres had been harvested last year, and this was much less than the area planted.

The Philippine Islands were at one time the principal producers of oil ylang-ylang. Recently France started production of this oil in Madagascar, and is also using a synthetic oil, so that this trade has now become unprofitable in the Philippine Islands.

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ACID			ACID			ACID		
MURIATIC, 20° chys le-l			Picric, 450 lb bbls	.30	.33	Valerie, CP, 10 lb bot	2.50	2.75
wks	100 lb	1.60	Pyrogallie, crys., 5 lb cans	1.25	1.30	Aconitine Alk., cryst., 1 oz vis.	30.00	30.00
Chys, c-l wks	100 lb	1.35	Resublimed, 5 lb cans	1.50	1.60	Amorphous 1 oz vis	20.00	20.00
Tank cars, wks	100 lb	1.00	Tech., powd., 200 lb bbls		.85	Adeps Lanase hydrous 350 lb bbls	.20	.21
18° 120 lb chys			Salicylic, tech., 125 lb bbls	.33	.34	Anhydrous, 350 lb bbls	.22	.23
c-l wks	100 lb	1.35	USP, 100 lb bbls	.34	.35	Albumen, Eng. edible	1.00	1.05
Tank cars, wks	net ton		Second hands	.33 1/4	.34 1/4	Tech, 100 lb drs		
22° 130 lb chys			Sulfanilic, 250 lb bbls	.15	.18	Blood 225 lb bbls	.55	.60
c-l wks	100 lb	1.75	SULFURIC, 66° 180 lb chys			Vegetable edible	.60	.65
Muriatic, CP, & USP, see Acid Hydrochloric			le-l wks	100 lb	1.50	Technical	.50	.55
Naphthionie, tech, 250 lb bbls		.59	Chys, c-l wks	100 lb	1.25	ALCOHOL, amyl See Fuel Oil		
Nerite & Winther's 250 lb			1,500 lb Drums le-l			Benzyl, 5 lb bot	1.45	1.55
bbls		.95	wks	100 lb	1.10	Butyl 50 gal drs wks c-l	.18 1/2	.19 1/2
NITRIC, 36° 135 lb			Drums c-l wks	100 lb	.80	Drums, le-l wks	.19	.20
Chys le-l wks	100 lb	5.00	Tank cars, wks	net ton	14.00	Tanks cars wks	18	19
Chys c-l wks	100 lb	4.75	60° 1500 no drums			Ethyl, USP, 190 pf 50 gal	4.75	4.80
38° le-l wks	100 lb	5.50	le-l wks	100 lb	1.00	bbls	.60	.65
Chys c-l wks	100 lb	5.25	Drums, c-l wks	100 lb	.75	Export		
40° le-l wks	100 lb	6.00	Tank Cars, wks	net ton	9.50	Anhydrous drums c-l		.68
Chys, c-l wks	100 lb	5.75	CP, 175 lb chys	.07	.08	Cologne Spirit, 50 gal bbls gal	4.85	4.90
42° le-l chys, wks	100 lb	6.50	Oleum 20 pc 1500 lb drums			Denatured		
Chys, c-l wks	100 lb	6.25	le-l wks	100 lb	1.40	No. 1 complete denat., 190 pf		
CP, chys single wks	100 lb	.12	Drums, c-l wks	100 lb	1.15	50 gal bbl incl	.35	.40
Oxalic, 300 lb bbls, wks		.10 1/4	Tank cars, wks	net ton	17.00	Carlota	.32	.42
Phos., NY		.11	Oleum, 40% drs le-l wks net		40.00	50 gal drums extra	.30	.40
Keps, 100 lb NY		.11 1/4	Oleum, 60% drs, le-l wks net		60.00	Tank cars	.30	.40
Imp. 560 lb casks		.11	Sulfurous, USP 6% 100 lb chys	.05	.06	No. 1 Special denat. 190 pf		
Phenylchloroacetic,		5.00	4% 100 lb chys	.04	.05	50 gal bbl incl	.35	.44
Phosphoric, 50% tech., 150 lb			USP, 5 gal dems	.06	.08	Carlota		
Chys		.07	Tannic, tech., 300 lb bbls	.30	.40	50 gal drums extra	.32	.42
Syrup USP, 70 lb drums		.15	USP, powd., 200 lb bbls	.75	.80	Tank cars	.30	.40
Dems		.16	USP, fluffy, 50 lb bbls	.75	.80	No. 5, Complete denat. 188 pf		
Imported		.15	Tartaric, USP, crys., 300 lb bbls		.29	50 gal bbl incl	.35	.49
Second hands		.15	USP, powd., 300 lb bbls		.28	Carlota		
Phthalic, see Phthalic Anhydride			Imp, USP, 240 lb bbls	.28	.28 1/4	50 gal drums extra	.32	.42
Picramic, 300 lb bbls		.50	Powd., 240 lb bbls	.28	.28 1/4	Tank cars	.30	.40
			Tobias, 250 lb bbls		.85	No. 6, Complete denat. 199 pf		
			Tungstic, 100 lb kegs		1.00	No longer manufactured		



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Diacetone, 50 gal drs. fght. allowed	gal	2.15	: 2.30
Isobutyl, crude 50 gal drs	gal
Refined, 100 bbl cases	bbl	...	...
Isopropyl, refined, 90-91%, 50 gal drs	gal	1.00	: 1.25
Ref'd 98-99% drs	gal	1.25	: 1.50
Phenylethyl 1 lb bot., dom	lb	8.00	: 10.00
Propyl, nml., 50 gal drs	gal	...	1.00
Aldehyde Ammonia 100 gal drums	drum	.80	: .83
Alcin, USP, 100 bbl cases	bbl	.85	: .88
Alpha-Naphthol crude 300 bbl bbls	bbl	...	.65
Refined	bbl	.85	: .90
Alpha-Naphthylamine, 350 bbl bbls	bbl	.35	: .37
Ten lots bbls wks	wks	...	.35
ALUM, Ammonia, lump 400 lb bbls	bbl	...	...
wks, le-l	lb	3.15	: 3.50
Ground, 400 lb bbls wks 100 lb	lb	3.25	: 3.65
Powd., 380 lb bbls wks 100 lb	lb	3.55	: 3.90
Chrome, 500 lb cks., wks lb	lb	5.25	: 5.50
Potash, lump 400 lb bbls	bbl	...	...
wks	wks	...	...
Bbls, e-l wks	wks	3.50	: 3.75
Imported, lump	lb	...	3.25
Ground, 400 lb bbls wks 100 lb	lb	3.50	: 3.85

ALUMS, Potash (Cont.)

Imp., 350 casks	100 lb	2.65	: 3.00
Powd., 380 lb bbls wks	100 lb	3.50	: 4.00
Chrome, 500 lb casks wks	100 lb	5.25	: 5.50
Ord., 400 lb bbls. wks	100 lb	...	3.75
Bbls e-l wks	100 lb	...	3.50
Aluminum metal, e-l NY	100 lb	28.00	: 29.00
Chloride, anhyd., 275 lb drs	lb	.35	: .40
Crystals, 375 lb bbls	lb	...	.06 1/2
30% sol. 120 lb chys	lb	.03 1/2	: .04
Hydrate 96% light 90 lb bbls	lb	.17	: .18
Heavy 62-64% 220 lb bbls	lb	.06	: .06 1/2
400 lb bbls wks	lb	.06 1/2	: .07
Stearate, 100 lb bbls	lb	.23	: .24
SULFATE, Iron-free bags e-l	lb	...	...
wks	100 lb	2.00	: 2.10
Bbls e-l wks	100 lb	2.15	: 2.25
Imported, spot	100 lb	1.60	: 1.65
Comm'l 1/2% iron bgs e-l	lb	...	...
wks	East 100 lb	...	1.40
Cont. bgs e-l wks E	100 lb	1.35	: 1.40
Bags, e-l wks W	100 lb	...	1.40
Bbls, e-l wks E	100 lb	...	1.55
Bulk e-l cont. wks E	100 lb	...	1.50
Amidol (See Diaminophenol)	lb	...	...
Amidopyrine, Imp., 10 lb bbs	lb	4.60	: 5.00
Domestic 10 lb boxes	lb	4.60	: 4.75
Aminooazobenzene, 110 lb kgs	lb	...	1.15
AMMONIA, anhyd 100 lb cks	lb	.13	: .15
Water 26° 800 lb drs del	lb	.03 1/2	: .04
Drs. e-l delivered	lb	.03	: .03 1/2
Tanks	lb	.02 1/2	: .03
CP, chys	lb	...	.10

Ammonium Acetate, 100 lb kgs	lb	...	.43
Benzoate, USP, 1 lb bot	lb	...	1.27
Bifluoride, 300 lb bbls	lb	.21	: .23
100 lb kgs	lb	.23	: .25
Bromide, 450 lb bbls 50 lb bbs	lb	...	.55
Imported, 112 lb boxes	lb	.50	: .52
Carb., tech., 580 lb cases	lb	.08 1/2	: .09
Powd., tech., 550 lb cks	lb	.07 1/2	: .07 3/4
USP, lump, 100 lb kgs	lb	.11	: .11 1/2
Powd., 100 lb kgs	lb	.13	: .13 1/2
Second hands	lb	.11	: .11 1/2
Chloride, Domestic	lb	...	...
White, 250 lb bbls e-l	lb	...	.06
250 lb bbls le-l wks	lb	.06 1/2	: .06 3/4
Imported white 600 lb cks	lb	.05 1/2	: .05 3/4
CP, USP, gran bbls	lb	.13	: .13 1/2
Gray, 250 lb bbls, wks	lb	.07 1/2	: .08
Bbls., e-l wks	lb	...	.07
Imported gray 550 lb casks	lb	.06 1/2	: .06 3/4
Lump, 500 lb casks, spot	lb	.11	: .11 1/2
Ichthyolate, as to brand	lb	4.85	: 5.00
Iodide, USP, 25 lb jars	lb	...	5.20
Lactate, 500 lb bbls	lb	.15	: .16
Refined Crystals bbls	lb	...	.30
CP gran., 100 lb kgs	lb	.35	: .37
Oxalate, pure 100 lb kgs	lb	.35	: .37
Persulfate, 112 kgs	lb	.25	: .30
Imported 220 lb bbls	lb	.34	: .35
Phosphate, dibasic 200 lb bbls	lb	...	.38
Mono, 325 lb bbls	lb	.12	: .12 1/2
Tri basic 325 lb bbls	lb	...	.04
Sulphate USP, 100 lb kgs	lb	.75	: .80
Sulfate bulk e-l	100 lb	...	2.75
Southern points	100 lb	...	2.80
200 lb dbl. bgs fas 100 lb	lb	...	2.65
Sulfate-Nitrate, bulk fob NY Unit	lb	...	2.29
Sulfoyanide, tech., 100 lb kgs	lb	.40	: .45
CP, 25 lb jars	lb	.50	: .55
Amyl Acetate, tech., 50 gal drs gal	gal	1.90	: 2.00
Refined, 50 gal drums	gal	2.40	: 2.50
Alcohol see Fuel Oil	lb

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Chemicals

.43	Amyl Butyrate absolute cans	1.20	1.30	BARIUM BINOXIDE, see Barium dioxide				Benzidine Base, dry 250 lb bbls	.70	.72
1.27	ANILINE OIL, 960 lb drums	.16	.17	Bromide	.44			Benzidine Sulfate, paste 350 lb	.68	.70
.22	Hydro Bromide	.75		Bromate	.70			bbls		
.23	Hydro Bromide	.75		Carbonate, precip., 300 lb bbls				Benzol, see Benzene		
.55	Aniline Salt, 200 lb bbls	.23	.24	wks	52.00	54.00		Benzonaphthol, 5 lb boxes	3.50	3.60
.52	Annatto, fine	.41	.48	Precip., 200 lb bbls, wks	50.00	52.00		Benzoyl Chloride, 500 lb drs	1.00	1.00
.09	Anthracene 80-85% 600 lb casks			Imports bags NY		51.00		Benzyl Acetate 100 lb cys	1.30	1.40
.07%	wks	.60	.65	Chlorate, 112 lb kegs NY	.12	.12 1/2		Benzoate, bulk	1.15	1.35
.11 1/2	Anthraquinone, sub 125 lb bbl.	.95	1.00	Chloride, 800 lb bbls wks	65.00	67.00		Medicinal PFC	1.75	2.00
.13 1/2	Antimony metal, slabs, tons lots	.19	.19 1/2	200 lb bags, wks	63.00	65.00		Chloride 95% tech., 925 lb drs	.25	.30
.11 1/2	Needle powd., 100 lb cases	.21 1/2	.22	Imports, large crystals, bbls				100 lb cys	.25	.30
.06	Bromate		1.50	Spot	63.00	65.00		Redistil. 160 lb cys	.30	.35
.06%	ANTIMONY CHLORIDE, anhyd 1000 lb			Dioxide, 88% 690 lb drs	.13	.13 1/2		Formate, 1 lb bot	3.25	3.50
.05%	dra	.16	.17	Import, 86-88% 400 lb drs	.13	.13 1/2		Berberine Hydrochloride, 1 lb bot		22.50
.13%	50 lb casks	.45	.48	Hydrate, 500 lb bbls	.04 1/2	.05		Sulfate, acid or neut. 1 lb bot		22.00
.08	Sol'n 130 lb carboys 48°		.17	Iodide, 5 lb box		5.15		BETA-NAPHTHOL, 350 lb bbls wks		.24
.07	Oxide, 500 lb bbls	.18	.18 1/2	Nitrate, 700 lb casks		.10		Carlots wks		.22
.06 1/2	Sulfuret golden 250 lb bbls	.15	.16	Imports casks	.07	.07 1/2		Sublimed	.65	.60
.11 1/2	Crimson 250 lb bbls	.25	.27	Sulfocyanide 600 lb bbls	.27	.28		Beta-Naphthylamine, tech., 200 lb		.67
5.00	Vermilion, 250 lb bbls		.37 1/2	Barytes, floated 350 lb bbls wks	23.00	24.00		bbls	.63	.67
5.20	Tartrolactate, 500 lb bbls		.45	Imported	29.00	33.00		Sublimed, 200 lb bbls		1.35
.16	Tribromide		1.05	Crude, c.i.f.		9.09		Bichloride Mercury, see Mercury Bichloride		
.20	Antipyrine, USP, 100 lb cases	1.75	1.90	Bay Rum, Porto Rico, genuine				BISMUTH metal, 100 lb cases		3.35
.37	Second hands	1.70	1.75	Medicated salicyl. acid or tartar				Second hands	2.95	3.00
.37	Apomorphine Hydrochloride, 1/2 oz vial		22.10	45 gal bbls	.90	.95		Ammon. Citrate, USP, 5 lb cans	5.75	5.80
.30	Archil, double 600 lb bbls	.13	.14	Medicated quinine sulf., 45 gal		.95		Betanaphtholate, 5 lb bxs	3.30	3.35
.35	Triple, 600 lb bbls	.16	.17	bbls	.90	.95		Citrate, USP, 5 lb cans	3.00	3.05
.38	Cone, 600 lb bbls	.18	.20	Domestic synthetic, 50 gal	.70	.75		Chloride	3.55	3.60
.12 1/2	Arecoline Hydrobromide, 1 oz. v. oz.	7.75	8.75	Bbls				Hydroxide	3.40	3.45
.80	Argols, red powd., 350 lb bbls	.06 1/2	.07	St. Thomas				Nitrate, 25 lb jars	2.05	2.10
2.75	Arsenic metal 220 lb kegs	.45	.50	Medicated salicyl. acid or tartar	.85	.90		Oxide anhyd	3.80	3.85
2.80	Red, 224 lb kegs cases	.11 1/2	.12	emetic 50 gal bbls gal				Oxychloride, 25 lb bxs	3.50	3.55
2.29	White 220 lb cases to 550 lb	.03 1/2	.04	Benzaldehyde, tech., 945 lb drs.				Phenolsulfonate, 5 lb cans	3.05	3.10
.45	Bbls NY			wks	.65	.70		Salicylate, 25 lb bxs	1.95	2.00
.55	Asbestine c-l		14.50	USP, 40 lb cys	1.15	1.30		Subcarbonate, USP, 25 lb bxs	3.45	3.50
2.00	le-l		15.00	PFC, 40 lb cys	1.40	1.50		X-Ray diag 1 lb bot	3.80	3.85
2.50	Aspirin, see Acid acetylsalicylic			BENZENE				Subgallate, USP, 25 lb bxs	2.80	2.85
	Atropine Alk., USP, 1 oz vial	6.50	7.50	Comm. 90% 8,000 gal tks wks		.24		Subiodide, 5 lb lots	4.65	4.70
	Sulfate, 5 oz cans	3.00	3.50	Non-Corrosive 90% tks wks gal		.25		Subnitrate, USP, 25 lb jars	2.85	2.90
	Single ounce		3.15	Commercially pure tks wks		.24		Second Hands	2.75	2.80
				Non-Corrosive pure tks wks gal		.25		Cones, 1 lb bot	3.85	3.90
				Nitration tks wks		.26		Subsalicylate, USP, 25 lb bxs		3.55
				Drum lots 5c gal higher				Tannate	2.60	2.65

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Chemicals

BISMUTH (Continued)

above on basis 25 lb lots		
Smaller lots at an advance		
Tri-Bromophenol.....lb	4.00	
Blaine Fixe, dry 400 lb bbls wks ton	80.00	90.00
Imported, bbls.....ton	70.00	72.00
Paste, 650 lb bbls e-l.....ton	55.00	65.00
BLEACHING POWDER, 700 lb drums		
e-l wks contract.....100 lb	2.00	
le-l wks contract.....100 lb	2.15	
e-l spot wks.....100 lb	2.10	
le-l spot wks.....100 lb	2.25	
le-l spot ex-warehouse.....100 lb	2.35	
300 lb drums e-l wks contract.....100 lb	2.25	
e-l spot wks.....100 lb	2.35	
le-l wks contract.....100 lb	2.40	
le-l spot wks.....100 lb	2.50	
Blood dried, fo. b. NY.....unit	3.75	
Chicago.....unit	4.10	
S. Am. Shipment.....unit	3.50	
Prussian Soluble.....lb	.31	.32
Blue Vitriol, see Copper Sulfate		
Bone S & 50 greaseam Chgo. ton	30.00	
Imp.....ton	35.00	
Raw, NY.....ton	34.00	
Bone Ash, 100 lb kegs.....lb	.06	.07
Black, 200 lb bbls.....lb		.08 1/4
Borax, crys., 400 lb bbls.....lb	.05 1/4	.05 3/4
Powdered, 500 lb bbls.....lb	.05	.05 1/4
Keps., 100-150 lb.....lb	.05 1/4	.06
Bordeaux Mixture, 16% pd.....lb	.11 1/4	.13
Paste, bbls.....lb	.08	.10
Borneol, See Aromatic Chemicals		
British Gum com e-l.....100 lb	4.37	
le-l.....100 lb	4.37	
Bromide, see potash, bromide etc.		
Bromine, bot. in 50 lb cs wks lb	.48	.47
Bromobenzene, 400 lb drums.....lb	.30	
Bromoform, USP, 5 lb bot cs.....lb	1.85	1.85
Brocin Alkaloid, 100 ozs.....ozs	.10	
Sulfate, 100 ozs.....ozs		.08 1/4
Second hands.....ozs		

Butter of Antimony, see Antimony Chloride

Butyl Acetate, tank can, wks gal	1.55	
Drums e-l wks.....gal	1.57	
Drums le-l wks.....lb	1.60	
Aldehyde, 50 gal drums wks.....lb	.70	.75
Propionate drums.....lb	2.40	2.50
Tartrate, drums.....lb	.57	.60
CADMIUM, metal 100 lb bxs		
Bromide, 30 lb cases jars wks lb	1.15	1.20
Iodide, 10 lb bot.....lb	4.45	
Sulfide cs.....lb	1.20	1.25
CAFFEINE ALK., USP, 5 lb cans		
Citrated, 25 lb cans.....lb	3.40	3.50
Hydrobromide, 1 lb bot.....lb	4.65	4.90
Hydrochloride, 1 lb bot.....lb	6.05	6.55
Sulfate, 1 lb bot.....lb	5.40	5.90
CALCIUM, Acetate, 150 lb bgs e-l		
100 lb.....lb	3.25	
Arsenate, 100 lb bbls e-l wks lb	.06	.06 1/4
Bromate.....lb	1.50	
Bromide, 100 lb cs.....lb	.60	
Carbide 220 lb dr. e-l wks lb	.05 1/4	.06 1/4
Carbonate tech., 100 lb bags		
e-l.....100 lb	1.00	1.10
USP, precip., 175 lb bbls.....lb		.06 1/4
Chloride, solid, 650 lb drs e-l		
f.o.b. wks.....ton	21.00	23.00
Imp. Shipment.....ton	19.50	
Flake, 375 lb drs, e-l drs. f.o.b.		
wks.....ton	27.00	
Anhyd., 350 lb drs f.o.b. NY lb	.18	.20
Glycerophosphate, 250 lb bbls lb		1.40
Hypophosphite, USP, 25 lb cases lb	.60	.65
Iodide, 5 lb bot.....lb	4.35	
Lactate, tech., 500 lb bbls.....lb	.35	
USP.....lb	.50	.60
Nitrate, 220 lb bbls e-l NY ton		52.00
Phosphate, tech., 450 lb bbls lb	.09	.10
Phosphate, mono, 325 lb bbls lb	.07	.08
Stearate bbls.....lb	.23	.25
Sulfocarbide, 100 lb kegs.....lb	.55	.57
CAMPBOR, Amer., ref., 250 lb		
bbls.....lb		.84

CAMPBOR (Cont'd)

2 1/4 lb slabs, 100 lb cs.....lb	.85 1/4	
1 lb cakes, 100 lb cs.....lb	.85 1/4	
1 oz. tab., 1 lb ctms.,		
100 lb cs.....lb	.90	
Jan., ref., 2 1/4 lb slabs, 100 lb		
cs.....lb	.70	.80
Powd.....lb	.77	
1 oz. tab., 100 cs.....lb		.84
oz.....lb		.85
1/2 oz. tab., 100 lb cs, 1 lb		.58
tins.....lb		.85
Crude, 100 lb cs.....lb	.54	.58
Camphor, liniment, bbls.....gal	2.25	2.30
Camphor Monobrom., 100 lb cs lb	1.85	1.90
Caramel, 50 gal bbls.....gal	.65	.70
Carbazol, 250 lb bbls.....lb		.15
Carbon Bisulfide, 500 lb drsle-INY lb	.06	.06 1/4
e-l drums, NY.....lb		.05 1/4
Carbon Black, e-l wks bgs.....lb		.08
100-300 lb cases le-l NY.....lb		.12
Decolorizing 40 lb bgs e-l.....lb	.08	.15
90 lb drums e-l.....lb	.08 1/4	.15 1/4
Carbon Dioxide, Liquid, 20-25 cy lb		.06
Tetrachloride, 1400 lb drs del lb	.06 1/4	.07
Drums e-l delivered.....lb		.06 1/4
Carmine, No. 40, 5 lb boxes.....	5.00	5.25
Casein, edib., 100 lb keg.....lb	.45	.65
Tech., 200 lb bbls.....lb	.13	.13 1/4
100 mesh.....lb	.16	.17
Castor Oil, USP, 50 gal bbls lb	.17	.17 1/4
Cases, 80 lb 2 tins.....lb	.18	.18 1/4
Tech., see Fixed Oils		
Caustic Potash, see potash, caustic		
Soda, see soda, caustic		
Cellulose Acetate 50 lb kegs.....lb		1.45
Cerium Oxalate, USP, 100 lb kegs lb	.33	.35
Chalk, drop 175 lb bbls.....lb	.03	.03 1/4
Precip., light 250 lb bbls csks lb		.04 1/4
Precip. heavy 560 lb csks.....lb	.02 1/4	.03 1/4
Bulk.....ton	5.00	
Precip. English, 7 lb bags.....lb		.08 1/4
Precip. heavy 560 lb csks.....lb	.03 1/4	.03 1/4



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Chemicals

Citric acid, 100 lb bales ..b	.22	DIYI DIYI Extract ..b	.04	nom.	Alkyrene Glycol ..b	.30	.40
Tablets, 150 lb boxes ..b	.13	Pods, bags ship ..ton	39.00	40.00	Tri Chloride ..b	.10	.10%
Borneo solid, 100 lb bales ..b	.05%	Dover's Powder USP., 5 lb tins ..b	2.50	2.50	Ethylmethylamine ..b	.62	.65
Cyanamide, bulk c-l wks Amm unit	1.90	Duboisine Sulfate, 100 vial ..om	30.07	30.07	Eucalyptol, 25 lb cans ..b	..	.90
Imp	2.00	EARTH, Diatomaceous, see Kieselguhr	..	..	Feldspar, bulk ..ton	20.00	25.00
Cyclohexanol, see Hexamine	..	Egg Yolk, 200 lb cs ..b	.53	.55	FERRIC CHLORIDE, tech., crys.	..	..
Cymene, See Para-Cymene	..	Emetine alk., 15 gr. vial ..ea	1.05	1.05	475 lb bbls ..b	.07%	.09
Dextrin, white corn 140 lb bgs	..	Hydrochloride, USP., 1 oz vial ..om	25.00	25.80	Imported ..b	.04%	.05
c-l	3.97	15 gr. vials ..ea	..	.82	C.P. crys. 100 lb kegs ..b	..	.10
bags c-l	4.07	EPSOM SALT, tech., 300 lb bbls	..	2.15	Imported ..b	.06	.06%
Canary	4.02	NY ..b	..	2.15	Neut. Sol'n., 42° 140 lb chys ..b	.08%	.07
bags l-c-l	4.12	Bhis c-l NY ..b	..	2.00	46° 140 chys ..b	.08	.08%
Potato, white, 220 lb bags l-c-l	..	100 lb c-l NY ..b	1.50	1.75	USP., Sol'n., 125 lb chys ..b	.06%	.07
Yellow 220 lb bags ..b	.08%	Imp. 220 lb bgs c-l ..b	1.15	1.20	Bromide, solution ..b	..	.55
Tapioea, 200 lb bags l-c-l ..b	.07%	USP. 300 lb 10 bbls ..b	..	2.50	Ferrous Bromide, sol'n., ..b	..	.55
DIAMINOPHENOL, 100 lb kegs ..b	..	Carlots, bbls kegs 100 lb	2.00	2.25	Chloride, crys. tech., 475 lb bbls ..b	.05	.06
Dianyl Phthalate, drums wks ..gal	3.70	Imported 400 lb bbls ..b	1.70	2.00	Sulfide, 1000 lb bbls ..b	2.50	3.00
Dianisidine, 100 lb kegs ..b	3.25	See hands ..b	1.97%	2.00	Fish Scrap, dried wks ..unit	nom.	nom.
Dibutyl Phthalate, wks ..gal.	3.15	Ergeton, Bonjean, 1 lb jars ..b	6.00	6.30	Acid Bulk 7 & 3%, Deliv.	..	..
Dibutyl Tartrate, 50 gal drums ..b	.55	Esertine alk., 1 oz vial ..om	30.07	30.07	Norfolk & Balt basis ..unit	4.50	.16
Dichlorobenzene, 1000 lb drs ..b	.06	Salicylate, USP., 1 oz vial ..om	30.00	30.00	Fiske-White, see lead white	..	..
Dichloromethane, Drums wks ..b	.23	Sulfate, USP., VIII, 1 oz vial ..om	30.00	30.00	Flavine Lemon 55 lb ..b	.90	.95
Diethylamine, 400 lb drs ..b	2.15	ETHER, USP., 55 lb drums ..b	..	.16	Orange 70 lb cs ..b	.85	.90
Diethylaniline, 850 lb drs ..b	.55	Anaesthesia, 55 lb drums ..b	..	.19	Fluorspar, 95% 220 lb bags ex-	..	..
Diethyl Carbonate, drums ..gal	1.85	USP., 1880 55 lb drums ..b	..	.45	dock ..ton	..	25.00
Diethyl Phthalate 25 lb cans ..b	..	Washed, 55 lb drums ..b	..	.37	96% bgs ..ton	..	33.50
1000 drs ..b	.32	Motor 1 lb bottles ..b	.30	.32	98% bgs ..ton	..	35.00
Methyl Sulfate tech., 50 gal drs ..b	.20	Ether, Nitrous, 1 lb bot ..b	.90	.95	FORMALDEHYDE, USP., 400 lb bbls	..	..
C.P. drums ..b	.40	Ethyl Acetate, 99% 50 gal drs gal	..	1.05	c-l wks ..b	.09	.09%
Digitalin, Fare, 1 oz vial ..om	9.75	85% Ester, 10 gal drs gal	..	.83	Carboys 100 lb l-c-l wks ..b	..	.10%
high test ..om	15.00	Carlots, drums ..gal	..	.80	Bbls 400 lb l-c-l wks ..b	.09%	.09%
Dimethylamine, 400 lb drs ..b	..	Tank cars ..gal	..	.78	Formaldehyde Aniline 100 lb drums ..b	.39	.42
Dimethylaniline 840 lb drs wks ..b	.30	Aceto Acetate drums wks ..b	..	1.00	Fossil Flour ..b	.02%	.04
Dimethylsulfate, 100 lb drs ..b	.45	Benzyl Aniline, 300 lb drs ..b	1.05	1.10	Formaniline ..b	.38	.40
Dinitrobenzene, 400 lb bbls ..b	.18	Bromide, 115 lb drs ..b	..	.50	Imported 230 lb bags NY ..ton	35.00	40.00
Dinitrochlorobenzene, 400 lb bbls ..b	.18%	Butyrate cans ..b	1.10	1.20	Furfural, 500 lb drums ..b	..	.20
Dinitrochlorine, 300 lb bbls ..b	.18	Chloride, 200 lb drs, 15 lb cyl ..b	.26	.35	Carlots ..b	..	.17%
Dinitronaphthalene, 350 lb bbls ..b	.32	Lactate drums wks ..gal	4.00	4.15	Fusel Oil, 10% Impurities drs gal	1.20	1.25
Dinitrophenol, 350 lb bbls ..b	.31	Methyl Ketone, 50 gal drs ..b	.30	nom.	Refined ..b	3.25	3.50
Dinitrotolene, 300 lb bbls ..b	.15	Morphine, see Morphine, Ethyl	..	..	Fustic, solid 50 lb boxes ..b	.20	.23
Diolein, see Morphine, Ethyl	..	Oxalate drums wks ..b	.45	.55	Crystals, 100 lb boxes ..b	.20	.22
Dioctetolylguanidine, 275 lb	..	Chlorhydrin, anhyd. 50 gal drs ..b	.75	.85	Liquid, 51°, 600 lb bbls ..b	.09	.10
bbls, wks ..b	1.05	40% Solution, 50 gal bbls ..b	.25	.30	Fustic, sticks ..ton	30.00	32.00
Diphenylamine ..b	.48	Dichloride, 50 gal drs ..b	..	.18	China ..b	.04	.05
Diphenylguanidine, 5,000 lbs.	..	Tank cars ..b	G SALT, paste 300 lb bbls bails	..	.21
100 lbs. ..b	.85	Gall extract ..b	.20	.21

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Chemicals

Gambier 25% liq., 450 lb bbls D	.12	.14	Halasone 5 lb bot	.275	.325	Iodine Tinct., USP., 50 gal bbl gal	4.85
Common 200 lb cases	.19%	.20	NEMATINE, Paste, 500 lb bbls D	.09	.12	Carboys	4.90
Singapore cubes, 150 lb bags D		.23	Crystals, 400 lb bbls	.12	.20	Second Hands	4.65
Gelatin, USP., silver 1 lb 100 lb cs D	.60	.65	Hemlock, 25% 600 lb bbls wks D	.03%	.03%	Crystals, 10 lb bot	6.05
Gold Label, 100 cases		1.00	Hemlock, bark		16.00	Iodides, see Potash Iodide, etc.	
Technical, 100 lb cs	.45	.50	Hexachlorethane Drums wks		.45	Iodoform, powd., 10 lb bot	8.00
Pure Food, 50 lb bbls	.55	.60	Hexalene, 50 gal dra. wks	.55	.57	Iridium, metal 10 oz lots	260.00
Sheets	.53	.55	Hexamethylenetetramine, USP., 100 lb drums	.60	.62	Iron, metal by hydrogen 1 lb bot D	.70
GLAUBER'S SALT, tech., 200 lb bags			Imported	.54	.58	IRON & AMM. CITRATE, USP., 50 lb.	
c-1 wks	1.05	1.10	Rubber Makers, Impalp. Pd.	.80	.82%	canes	.69
le-1 wks	1.20	1.30	dra			Bromide	1.10
350 lb bbls. c-1 wks 100 lb		1.10	HI-Flash Naphtha 8,000 gal tins wks			Cacodylate, 100 lb bot	8.10
Bms., le-1 wks	1.25	1.35	Drums wks		.35	Citrate, USP., VIII 25 lb cans D	.94
Imported, bags NY		.80	Homatropine Hydrobrom USP., 1 oz vials		.40	Chloride, see Ferric or Ferrous	
USP., 300 lb bbls. Imp., sp. 100 lb		1.25	Fire ozs., 1 oz vials		14.50	Hypophosphite, 5 lb cans	1.55
USP., 300 lb bbls. dom. sp. 100 lb		1.75	Hydrastine, Alk., USP., 1 oz vials oz	20.50	21.00	Syrup, USP., 5 lb., bot	.35
USP., 300 lb bbls., c-1 wks 100 lb		1.40	Hydchlde, USP., 1 oz vial oz	20.50	21.00	Iodide, 1 lb bot	.35
Calcined, see Sodium Sulfate			Sulfate 1 oz vial	22.50	23.00	Syrup, USP., 5 lb bot	.35
Glucose, (Grape Sugar) dry, 100			Hydrastine Hydchlde, USP., 15 gr vials		40.00	Nitrate, keg	.09
70° bags c-1 NY	3.14	3.24	HYDROGEN PEROXIDE, 25 vol. 400 lb bbls		.07	Oxalate scales, 25 lb cans	.88
80° bags c-1 NY	3.24	3.34	10 vol		.04%	Oxide, red Spandah	.02%
Tanners' Special 100 lb bags 100 lb		3.14	15 vol		.06%	Englab	.10
GLUE, pure white bbls	.22	.26	17 vol		.07%	Perchloride see Ferric Chloride	
Medium white, bbls	.20	.24	100 vol. 140 lb chys D	.32	.34	& Ammon. Oxalate, 25 lb bxs D	.37
French bbls	.18	.25	USP., Sol'n. 375 lb bbls	.03%	.04	& Potassium Oxalate, 250 lb bbls	.40
High Grade, bbls	.35	.40	100 vol 145 chys		.46	& Sodium Oxalate, 24 lb bxs D	.32
Bone, regular, bbls	.10	.12	USP., bot, 4 oz cases	7.50	7.75	Phosphate, USP., 50 lb	.69
Fish, bbls	1.50	1.75	Bot. 8 oz cases	11.00	11.25	Pyrophosphate, USP., 50 lb	.74
Hide bbls	.14	.24	Bot. 16 oz cases	18.00	18.25	JALAP RESIN, lump, 5 lb tins	4.00
GLYCERIN, C.P. 550 lb drums D	.23%	.24	Hydroquinone, 100 lb kegs	1.25	1.50	Powd., tins	4.65
Cans, 50 lb		.25%	Hyocine Hydrobrom. USP., 1 oz vial		13.57	Powd., tins	4.65
Dynamite, 100 lb dr	.22	.22%	Hyoscyamine Alk., Cryst., 1 oz vial oz		25.07	KIESELGUHR, 95 lb bags NY ton	60.00
Saponification tanks		.16%	Alkaloid, Amorphous, 1 oz vial oz		75.07	LANOLIN See Adeps Lanae	
Soap, Lye tanks	.14%	.15	Hydrobromide, USP., 1 oz vial oz		35.07	Larch, 25% 600 lb bbls wks D	.03%
Sea Powder, see chrysarolin			Sulfate, 1 oz vial		25.07	Powd., 100 lb bags wks	.08
Graphite, crude, 220 lb bags	15.00	35.00	Hyperic, 51°, 600 lb bbls	.12	.15	LEAD, metal c-1 NY	7.90
Flake 800 lb bbls	.04	.09	Indigo Madras bbls	1.28	1.30	Acetate, white crystals, 500 lb bbls, wks	.14%
Ground Imp., bbls	.04	.05	20% paste drums	.14	.15	100 to 250 lb kegs, wks D	.15%
Gualcol Liquid USP., 100 lb chys D	2.00	2.25	IODINE, crude 200 lb kegs	4.20	4.25	White, broken, bbls, wks. 100 lb	15.00
Crystals	2.25	2.50	Resublimed, 10 lb jars	4.65	4.70	White, gran bbls, wks. 100 lb	15.50
Benzonate, 1 lb bot		13.00				White, powd., bbls, wks 100 lb	15.25
Carbonate, 5 lb boxes	2.50	2.75				Brown, broken bbls wks	.13%
Second Hands	1.90	2.00					
HAARLEM Oil, Dom., 6 gr. cs. gr.	3.30	3.30					
Imported 5 gr. cases		3.50					

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Chemicals

LEAD ACETATE (Cont'd)			LITHOPONE (Continued)			MANGANESE DIOXIDE (cont'l.)		
USP., 100 lb kegs	lb	.19	Bags c-l wks	lb	.05%	Dioxide, 80-84% 900 lb bbls	ton	85.00
Arsenate, 100 lb kegs	lb	.15	Imported, 400 lb bbls	lb	.05%	NY	ton	85.00
Bbls., c-l wks	lb	.14	Litmus Cubes	lb	.90	85-90% 900 lb bbls NY	ton	85.00
Bbls., l-c wks	lb	.14	Second hands	lb	.75	Hydrated, precip. 100 lb kegs	lb	.23
Paste, 100 & 600 lb bbls	lb	.08	Logwood 51° 600 lb bbls	lb	.08%	Glycerophosphate, 5 lb tins	lb	2.90
Iodide, USP., VIII 5 lb bot	lb	3.20	Lower grades	lb	.07%	Hypophos USP VIII 5 lb cans	lb	1.35
Nitrate, 500 lb bbls. wks	lb	.14	Solid, 50 lb boxes	lb	.12	Iodide, 1 lb bot	lb	6.40
Oxide, Litharge, 500 lb bbls	lb	.10.60	LOGWOOD, sticks	ton	26.00	Ore., bulk, c.l.f. NY	lb	.43
100 kegs wks	lb	.14%	Chips, 150 lb bags	lb	.03	Sulfate, 550 lb drums NY	lb	.07
Oxide, red, 500 lb bbls., wks	lb	.11%	Luminal, see Phenylethylmalonylurea			Mangrove, 55% 400 lb bbls	lb	.03%
100 lb kegs wks	lb	.12%	Madder, Dutch	lb	.30	Mangrove, bark, African	ton	42.00
Oleate, bbls	lb	.17%	MAGNESITE calcined, 500 bbls ton	ton	14.25	Marble Flour, bulk	ton	10.00
Peroxide, 100 lb drs	lb	.25	Magnesium, mtl. sticks 100 lb cs			See also Calcium Carbonate		
White, basic carb., 500 lb bbls	lb	.10%	f.o.b. wks	lb	.85	MENTHOL, USP, 60 lb cases	lb	5.50
wks	lb	.10%	Bromate	lb	1.50	Less case, 5 lb tins	lb	5.85
100 lb kegs wks	lb	.14%	Carb. tech. 70 lb bags NY	lb	.06%	Synthetic	lb	4.75
White sulfate 500 lb bbls. wks	lb	.10	75 lb bbls NY	lb	.08	MERCURY metal 75 lb flask	flask	89.50
Licorice Ext., Mass cases	lb	.19	USP., 100 lb bbls	lb	.09%	Less flasks 5 lb jugs	lb	1.38
Compound powder, bbls	lb	.11	Engish, oz. blocks	lb	.17	Bichloride, cryst., 25 lb bxs	lb	1.31
Powdered	lb	.35	Chloride			Gran., powd., 200 lb kegs	lb	1.16
Sticks, 1 oz 100 lb cases	lb	.40	Flake, 300 lb drs., wks c-l ton	ton	37.00	Bimulate, 25 lb boxes	lb	1.14
LIME, (Salts, see Calcium Salts)			Imp., Flake, Shipt	ton	33.00	Blue Mass., 25 lb boxes	lb	.74
Ground Stone, bags	ton	4.50	Imp., fused 900 lb bbls NY ton	ton	31.00	Powdered, 25 lb boxes	lb	.76
Live, bulk	ton	8.50	Fluossilicate, crystals 400 lb bbls	lb	.10%	Blue Ointment, USP., 25 lb cans	lb	.99
Live, 325 lb bbls. ton lots	lb	1.05	wks	lb	.11	50%	lb	.74
Single bbl., wks	lb	1.08	30% sol'n. 500 lb bbls wks	lb	.07	USP, dilute 25 lb cans 30% m	lb	.80
Hydrated, 167 lb bbl. ton lots	lb	.85	Sol'n. bbls., c-l wks	lb	.06	33 1/3% Mercury	lb	1.45
wks	lb	.01	Glycerophosphate, 5 lb tins	lb	3.20	Calomel, 50 lb bxs	lb	.80
Single bbl. wks	lb	.03%	Hypophosphite, 5 lb cans	lb	1.05	33 1/3% Mercury	lb	4.10
Oyster Shell, 150 lb bbl sing.	lb	.08%	Oxide, USP., light, 100 lb bbls	lb	.42	Iodide, green 25 lb jars	lb	4.20
Sulfur, dry 200 lb drs NY	lb	.07%	Light tech.	lb	1.25	Red, USP., 25 lb jars	lb	4.10
Dr., c-l NY	lb	.12%	USP., heavy, 250 lb bbls	lb	.50	Yellow, USP, VIII 25 lb jars	lb	2.00
33° Sol'n., 50 lb bbls NY gal	lb	6.25	Heavy tech.	lb	1.10	Oxide, Yellow USP., 25 lb bxs	lb	1.43
Linalool, 5 lb bot	lb	1.45	Peroxide, 100 lb cases	lb	2.62	Tech.	lb	1.58
Litharge see lead oxide			Perborate, 1 lb tins	lb	.75	Red Precip., USP, 25 lb bxs	lb	1.66
Lithium Carb., USP., 100 lb kgs	lb	1.80	Salicylate, 100 lb kegs	lb	.23	Powder, USP., 25 lb bxs	lb	1.67
Bromide, 100 lb cs	lb	1.70	Sulfate see Epsoom Salts			White Precip., USP, 25 lb bxs	lb	1.72
Citrate USP, 100 lb kegs	lb	.540	Manganese Borate, 30% 200 lb	lb	.24	Powdered, USP., 25 lb bxs	lb	.74
Iodide 5 lb bot	lb	.06%	bbls	lb	.25	With chalk, USP, 25 lb bxs	lb	.74
Lithopone, 400 lb bbls., l-c wks	lb	.05%	100 lb kegs	lb	.08	Meta-Mitroaniline	lb	1.75
Bbls., c-l wks	lb	.05%	Chloride, 600 lb csks	lb	.08%	Meta-Nitro-para-Toluidine, 200 lb	lb	

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Chemicals

Meta-Phenylenediamine, 300 lb bbls lb .90 : .94	MORPHINE (Con't) Hydchlide 5 oz tins 10 ea lots : 7.35	Nitrobenzene, crude, 1000 lb dra wks lb .09 : .10
Meta-Toluylenediamine, 300 lb bbls lb .72 : .74	Ethyl Hydchlide, 5 oz tins 10 oz lots : 8.85	Redistilled, 1,000 lb dra wks lb : .09 1/2 : .10
Tanks lb : .70	Sulfate, 5 oz tins 10 oz lots oz : 7.35	Nitrogenous Material bulk, unit : 3.60
METHANOL (Wood Alcohol) 95% tanks gal : .55	Small Sizes: 1/4 oz. vials, 50c extra; 1/4s 25c extra; single oz. vials, 7c extra, over price for 5 oz tins. 25 oz. lots in 5 oz tins, 10c oz. lower than above schedule. Less than 10 oz. lots 15c oz. higher than above schedule.	Nitronaphthalene, 550 lb bbls lb : .25
Drums e-1 gal : .58		Nitrotoluene, mixed 1000 lb dra wks lb .14 : .15
Drums, le-1 gal : .60		Nutgalls, see Crude Drugs
97% tanks gal : .57		Oak bark, whole ton 20.00 : 23.00
Drums, e-1 gal : .60		Ground ton 45.00 : 50.00
Drums, le-1 gal : .62		Oak, tanks, wks lb : .03 1/2
Pure, Acetate free, tins gal : .65		23-25% liq., 600 lb bbls wks lb : .04 1/2
Drums e-1 gal : .63		Solid, powd. lb : .08
Bbls, incl. 6c higher gal : .70		Ochre lb : .03 1/2
U. S. denat. grd., tanks gal : .65	Musk Ambrette, 1 lb cans lb 10.50 : 11.75	Oil Fusel, see Fusel Oil
Drums, e-1 gal : .68	Myrobalans, 25%, liquid bbls lb : .04 1/2	OIL MINERAL, wh, 50 gal bbls gal : .80 : .90
Drums le-1 gal : .70	50% solid, 50 lb boxes lb : .08 1/2	Russian gal .95 : 1.00
Methyl Acetate drums gal : .95	Myrobalans, bags J1 ton 37.50 : 38.00	Oil Mirbane, see nitrobenzene
Methyl Acetone, 100 gal drums gal : .70	R2 ton 28.50 : 29.50	Opium, see crude drugs
Tanks cars gal : .65	J2 ton 30.00 : 33.00	Orange Mineral, 1100 lb cans NY lb : .14 1/2
Bromide lb : 1.00		700 lb bbls NY : .14 1/2
Chloride, 90 lb cyl gal : .65	NAPHTHA, See Solvent Naphtha	Ortho-Aminophenol, 50 lb kegs lb : 2.20
Salicylate, USP, 50 lb cans gal : .35	NAPHTHALENE, Flake, 175 lb bbls wks lb .05 1/4 : .07	Ortho-Anisidine, 100 lb dra lb 2.50 : 2.75
500 lb drums lb : .37	Bbls, second hands NY lb : .05 1/2	Ortho-Dichlorobenzene, see Dichlorobenzene
Methylene Blue, tech., 100 lb kgs lb : 1.30 : 1.50	Balls, 250 lb bbls wks lb : .07	Ortho-Nitrochlorobenzene, 1200 lb dra. wks lb .32 : .35
USP., medicinal 5 lb cans lb 1.75 : 1.90	Bbls, second hands NY lb : .07	Ortho-Nitrophenol, 350 lb lb .85 : .90
Mitchell's Ketone, 225 lb bbls lb : 3.00 : 3.25	Crushed, chipped bgs., wks lb : .05	Ortho-Nitrotoluene, 1000 lb dra. wks lb .13 : .15
Milk, powd., 150 lb bbls lb : .14 : .15	Crude, imp., bags lb : .01 1/2 : .02 1/2	Ortho-Toluidine 350 lb bbls lb .25 : .27
Milk Sugar, see sugar of milk	NICKEL	Osage Orange 51° liquid lb .07 : .07 1/2
Mineral Oil, see oil mineral	Ingot, 100 lb kegs : .34	Powd., 100 lb bags lb .14 1/2 : .15
Mineral Rubber ton 35.00 : 75.00	Chloride, bbls kegs lb .21 : .24	Crystals lb .16 : .17
Mining Salts Drums wks : .33	Oxide, 100 lb kegs NY lb .39 : .40	Oxgall, USP, 5 lb bot lb 1.75 : 2.50
Monobromobenzene See Bromobenzene	Salt single 400 lb bbls NY lb .07 1/2 : .08 1/2	Purified, 5 lb bot lb 2.00 : 2.50
Monacetine, See acetine	Double 400 lb bbls NY lb .08 : .09	Crude, 5 lb bot lb 1.00 : 1.25
Monochlorobenzene, see chlorobenzene	Sulfate, See Nickel Salt, single	PALLADIUM, metal 10 oz lots : 80.00 : 81.00
Monomethyl aniline, 900 lb dra lb : 1.05	Nickel Metal, electrolytic lb : 34.00	Fancration, USP, 5 lb bot lb 1.75 : 2.50
Monomethyl paraminophenol sulfate 100 lb dra lb 3.95 : 4.20	Nicotine, Free 40% 8 lb tins ea lb : 1.10 : 1.20	Papain, 10 lb bot., USP., Powd lb : 4.75 : 5.50
MORPHINE ALK., USP., 5 oz tins, ome 9.20 : 9.80	NITRATE SODA, spot, See Sodium Nitrate	Crude, 150 lb cases :
Acetate, 5 oz. tins oz lots : 7.35	Nitre Cake, bulk wks ton 4.50 : 5.50	Paraffin, ref'd. 200 lb ea slabs 118-120 Deg. M.P. lb .08 : .09
Hydrobromide, 5 oz tins 10 oz lots : 7.35	500 lb bbls ton 13.00 : 14.00	123-127 Deg. M.P. lb .06 1/2 : .06 3/4

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PARAFFIN (Con't)			PARIS GREEN (Con't)			PILOCARINE HYDROCHLIDE, USP., 25oz		
128-132 Deg., M.P.	D	.07½ : .07%	Packages, 5 and 2 lbs.	D	.23 : .24	lots, 1oz vials	3.25	: 3.50
133-137 Deg., M.P.	D	.08 : .08½	Packages, 1 lb., ½ lb., ¼ lb.	D	.25 : .26	Nitrate, 25oz .....	.02	: 3.25
138-140 Deg., M.P.	D	.08½ : .10	Paris White, see Whiting French			Single ozs. ....	.02	: 3.50
Para-Aminoacetanilid, 100 lb			Pepsin, USP., 5 lb bot. 1:3000 lb	D	1.90 : 2.50	Alkaloid, 15 gr. vls	ea	: .85
kegs	D	1.00 : 1.05	1:6000 bottles	D	3.85 : 5.00	Pine Oil, stm., dist., bbls	gal	: .66
Para-Aminophenol, 100 lb kegs	D	. : 1.15	1:10,000 bottles	D	6.30 : 8.35	Destructive dist.	D	: .64
Hydrochloride, 100 lb kegs	D	1.25 : 1.30	Peptone, powd., 5 lb	D	. : 1.25	Piperazine Hydrate, 1 lb bot	D	: 15.00
Para-Dichlorobenzene, 150 lb bbls.			PETROLATUM, green 300 lb bbls	D	.02½ : .03	Piperidine, 25 oz	oz	: 1.10
wks	D	.17 : .20	Dark Amber, 300 lb bbls	D	. : .04½	Pitch, Coal-Tar, wks	ton	: 24.00
25-50 lb kegs	D	.20 : .21	Light Amber, 300 lb bbls	D	. : .04½	Prime	bbl	: 8.00
Paraldehyde, USP., 5 lb bot. gal		.87 : nom.	Cream White, USP., 300 lb bbls	D	.07 : .07½	Plaster Paris, tech., 250 lb bbls	bbl	: 3.30
Tech	D	.30 : .35	Lily White, USP., 300 lb bbls	D	. : .07½	True Dental, 300 lb bbls	bbl	: 4.50
Para-Cymene, Fed., 110 gal drs gal		2.25 : 2.50	Snow White, USP., 300 lb bbls	D	. : .12½	Platinum, metal soft 10 oz lots	oz	: 120.00
Paraformaldehyde, USP., 100 lb cs	D	.42½ : .45	Phenol, see also acid carbolic			Podophyllin, 5 lb bot	D	: 4.25
Para-Nitroacetanilid, 300 lb			Makers 950 lb drums spot	D	.21 : .22	Second Hands	D	: 4.20
bbls	D	.50 : .55	Small drums 240-100 lb	D	.22 : .24	POTASH SALTS, rough		
PARA-NITROANILINE, 300 lb bbls			Open market drums	D	. : .21	Pot. Muriate basis 80% bgs ton	ton	: 34.90
wks single bbls	D	. : .48	240 lb des. drs., wks	D	. : .27	Pot. Sulfate, basis, 90% bgs., ton	ton	: 45.85
Para-Nitrochlorobenzene, 1200 lb drs			Natural, 240 lb des. drs. wks	D	. : .	Pot. & Mag., Sulfate, basis 48%	ton	: 26.36
wks	D	. : .33	Phenolphthalein, USP., 100 lb drs	D	1.30 : 1.40	bgs	ton	: 18.00
Para-Nitro-ortho-Toluidine, 300 lb			5 lb cans, 100 lb lots	D	1.40 : 1.50	Manure Salts basis 30% bulk ton	ton	: 11.35
bbls	D	2.75 : 2.85	Phenyl-Alpha-Naphthylamine 100 lb			Kalnit, basis, 12.4% bulk ton	ton	: 8.50
Para-Nitrophenol, 185 lb bbls	D	.50 : .55	kegs	D	1.23 : 1.29	Bulk in bags, \$2.00 extra		
Para-Nitrodimethylaniline, 120 lb			Phenylethylmalonylurea, oz. pkg., cs			Prices c.l.f. Atlantic & Gulf Ports		
bbls	D	.92 : .94	Phosgene, 100 lb cylinders	D	. : .	Discounts 50 tons, 5%; 500 tons 10%		
Para-Nitrotoluene, 350 lb bbls	D	. : .30	Phosphate Acid, 16% Bulk wks unit		.62½ : .65	POTASH, CAUSTIC, solid 88-92%		
Para-oxy Benzaldehyde, 100 lb			Phosphate Rock, f.o.b. mines			700 lb drs wks	D	.07½ : .07%
kegs	D	. : 1.70	Florida Pebble 68%	ton	3.25 : 3.50	Imp., 88-92% 740 lb drs. NY	D	.07½ : .07%
Para-Phenetidin, 500 lb drs	D	1.55 : 1.80	Florida Pebble 70%	ton	3.50 : 3.75	USF, by alcohol 5 lb cans	D	.46 : .47
Para-Phenylenediamine, 350 lb			Florida 72%	ton	4.25 : 4.50	cases	D	.30 : .31
bbls	D	1.30 : 1.35	Florida Pebble 76-74%	ton	5.00 : 5.25	POTASSIUM Acetate, USP., 100 lb		
Para-Toluene-Sulfonamide, 175 lb			Tennessee, 72%	ton	. : 5.50	kegs	D	.29 : .30
bbls	D	.40 : .41	Phosphorus, red 110 lb cs	D	.68 : .70	Second Hands, kegs	D	.26 : .28
Para-Toluene-Sulfonochloride, 410 lb			Yellow, 110 lb cs wks	D	. : .32	Bicarbonate, crys., 320 lb bbls	D	.09½ : .10
bbls, wks	D	.18 : .30	Imported, 110 lb cs wks	D	.35 : .37½	Bichromate crys., 725 lb csks	D	.08½ : .08%
Para-Toluidine 350 lb bbls wks	D	.50 : .60	Phosphorus Oxichloride, 175 lb cyl	D	.35 : .40	Powd., 725 csks, wks	D	.11 : .12
PARIS GREEN			Phosphorus Trichloride, 175 lb cyl			Binoxalate, 300 lb bbls	D	.16 : .17
Arsenic Basis, 500 lb kegs	D	.19 : .20	wks	D	. : .45	Import, 112 lb bbls	D	.18 : .19
Kegs, 100 lb	D	.21 : .22	Phthalic Anhydride, 100 lb bbls					
Kits, 56, 28, 14 lbs.,	D	.22 : .23	wks	D	.18 : .20			

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Bisulfate, C.P., 5 lb cans30	
100 lb kegs32	
Bromate, 100 lb35	
BROMIDE, USP, cryst, 450 lb		
bbis .....	.48	.49
Granular, 300 lb bbis .....	.48	.49
Cases, 100 lb .....	.50	
Imported, USP, 220 lb cs .....	.38	.41
Shipment .....	.43 1/2	
CARBONATE, 80-85% calc.		
800 lb cks .....	.05 1/4	.05 1/2
80-85% hydrated, 800 lb		
cks .....	.05	.05
90-95% calc. casks .....	.06	.06 1/4
96-98% calc. casks .....	.06 1/4	.06 1/2
99% calc. casks .....	.07	.07 1/4
USP 100 lb kegs .....	.11	.11 1/4
99% C.P. casks .....	.12 1/2	
Chlorate, cryst, 112 lb bgs c-l		
wks .....	.08 1/4	.09
Imp. 112 lb NY lb .....	.08 1/4	.08 1/2
Powd., 112 lb kegs wks .....	.08 1/4	.09
Imp. kegs NY .....	.08 1/4	.08 1/2
Gran. Imp., 112 lb kegs NY lb .....	.10 1/4	.11
Pyrotechnic, fine powd, NY lb .....	.07	
USP, fine powder, 110 lb kegs		
NY .....	.14	.15
Crya. .....	.12	.12
Gran. .....	.14	.14
Chloride, crya., bbis .....	.05 1/4	.05 1/2
Chromate, kegs .....	.27	.28
Chrate USP, 50 lb .....	.50	.50
Cyanide 110 lb cases .....	.52	.55
Glycerophosphate, 75% Soln. 25 lb		
time	1.35	1.50
10 lb	2.00	2.25
Oxalacel Sulfonate	1.50	1.75
See hands	1.35	1.40
Hypophosphite, 10 lb cans .....	.80	.85
Iodide, USP, 100 lb cases	3.75	3.80
See hands	3.70	3.75
Lactophosphate 4 oz bot .....	.90	
Metabisulfite, 300 lb bbis .....	.11	.12
Imp. 550 lb bbis .....	.11	.12

POTASSIUM (Cont.)

Muriate, 80% 200 lb bags, NY		
K Unit .....	.63	
Nitrate, see Saltpetre		
Oxalate, neutral, 225 lb bbis .....	.16	.17
Perchlorate, 112 lb kegs .....	.11	.12
PERMANGAN, USP, crys 500 lb		
& 100 lb drs, wks .....	.14 1/4	.15
Imp., 113 lb drs .....	.14 1/4	.14 1/2
Prussiate red, 500 lb casks .....	.37	.38
Prussiate, yellow 500 lb casks .....	.18	.18 1/2
Salicylate, 25 lb cans .....	.60	.65
Sulfate, 200 lb bags NY K Unit .....	.35	
USP, VIII 100 lb kegs .....	.15	
Sulfocyanide, CP, 25 lb jars .....	.50	
Tartrate, neutral 100 lb kegs .....	.51	
Titanium Oxalate, 200 lb bbis .....	.25	
Pumice Stone, lump, 250 lb bbis .....	.04 1/4	.06
Lump, bags .....	.04	.05
Powdered, 350 lb bbis .....	.02 1/4	.03
Pyridine 50 gal drums	3.95	4.05
QUEBRACHO, 35% liquid tks .....	.03	.03 1/2
450 lb bbis c-l .....	.03 1/4	.04
35% bleaching, 450 lb bbis .....	.04	.05
Solid 63%, 100 lb bales c.l.f. .....	.04 1/4	.04 1/2
Jan-June .....	.04 1/4	.04 1/2
Clarified, 64% bales .....	.05	
Jan-June .....	.04 1/4	.05
Quercitron, 51° 450 lb bbis .....	.06 1/4	.07
Solid, 100 lb bales .....	.10	.13
Quercitron bark, rough	14.00	14.00
Ground	34.00	35.00
QUICKSILVER, see Mercury		
Quinidine Alk., 100 oz tins .....	.70	.75
Sulfate, 100 oz tins .....	.50	
Quinidine, see Chinidine		
QUININE SULFATE, USP		
American 100 oz tins .....	.40	
1 oz tins 100 oz lots .....	.47	
Dutch 100 oz tins .....	.40	

QUININE SULFATE, USP

Java, 100 oz tins .....	.40	
Japanese, 100 oz tins .....	.50	
Resale .....	.44	
Acetate .....	.78	
Arsenate .....	.78	
Benzoate .....	.78	
Bisulfate, USP .....	.40	
Resale .....	.37	.41
Citrate .....	.51	
Dihydride, USP .....	.54	
Dihydride .....	.54	
Dicarbonate 1 oz tins	2.50	
Ethyl Carbonate 16 oz tins .....	.62	
Ferrocyanide .....	.78	
Formate .....	.73	
Glycerophosphate .....	.80	
Hydride .....	.78	
Hydrobromide, USP .....	.50	
Hydrochloride, USP .....	.50	
Hydrochlorosulfate .....	.54	
Hydride & Urea, USP .....	.78	
Hypophosphite .....	.70	
Lactate .....	.66	
Phenolsulfonate .....	.78	
Phosphate .....	.62	
Salicylate, USP .....	.52	
Tannate, USP .....	.41	
Tartrate .....	.78	
Valerate .....	.78	

Small Sizes; 1 oz vials or cans, 50 oz, lots, 5c on extra; 5 oz cans, 50 oz, lots, 3c on extra; 25 oz cans, 50 oz, lots, 2c on extra; single 1 oz vials or cans, 5c extra. All minor quinine salts sold and quoted basis 1000 oz lots in 1000 oz cans. Sulfate and bisulfate sold basis 100 oz lots in 100 oz cans. Smaller orders or containers extra as above schedule.

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Sulphate

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19-21 CLIFF STREET

New York City

Chemicals

Quinone, 100 lb kegs	1.75	: 2.35
Red Lead, 250 bbls, wks45	: .47
Red Precipitate, see mercury		
Resnet, N.F., 5 lbs (1:25,000) lb	2.95	: 3.50
Resorcinol, see resorcinol		
Resorcinol, tech., 100 lb kegs lb	1.30	: 1.35
URP, 25 lb cans	2.25	: 2.35
Rockwell Salt, USP, 225 lb bbls lb	.20	: .20 1/4
Imp., USP, 300 lb bbls .....	.19	: .19 1/4
Woolwater, triple 5 gal dems lb	.85	: .90
Rosins, (Solid in 600 lb bbls gross for net)		
B	280 lb	: 8.25
D	280 lb	: 8.65
E	280 lb	: 10.50
F	280 lb	: 12.10
G	280 lb	: 12.35
H	280 lb	: 12.50
I	280 lb	: 13.00
K	280 lb	: 14.00
M	280 lb	: 14.15
N	280 lb	: 14.50
WG	280 lb	: 15.00
WW	280 lb	: 15.60
(Sold in 600 lb bbls net, quotations based on a unit of 280 lb)		
Rooin Oil first run 50 gal bbls gal	...	: .78 1/4
Second run bbls	gal	: .78 1/4
Roten Stone lump imp bbls ..	.07	: .08
Lump selected, bbls ..	.09	: .12
Powdered, bbls .....	.02	: .05
Domestic, bags mines	24.00	: 30.00
SACCHARIN, USP, 10 lb cans, 25 lb		
Soluble, USP, 10 lb cans, 25 lb lb	1.75	: 1.85
Sago, Flour 150 lb bags	lb	: .04 1/4 : .05
Sal Ammoniac, see Ammon. Chloride		
Sal Soda, see Sodium Carbonate		
Sallein, USP, 1 lb cartons, 25 lb lb	4.75	: 5.00
Saleol, USP, 100 lb drums .....	.80	: .90
Salt, Common, see sodium chloride		
Salt Cake 94-96% c-l wks	ton	19.00 : 22.00
White 87% wks	ton	15.00 : 17.00

SALTPETRE, Double Refined

Granular, 400-500 lb bbls		
c-l wks	lb	: .06 1/4
Less c-l wks, bbls	lb	: .06 1/4
Large Crystals, 350-400 lb bbls,		
c-l wks	lb	: .07%
Triple refined, Granular, 350 lb		
bbls 1-c-l	lb	: .06%
Powdered, bbls c-l wks	lb	: .07 1/4
Imported, 500 lb bbls, NY	lb	: .06%
Santonin, USP, bulk	lb	141.00 : 145.00
Powd. bulk	lb	142.00 : 147.00
Sapouin, refined, 5 lb tins	lb	1.25 : 1.50
Crude	lb	1.00 : 1.25
Satin White, 500 lb bbls	lb	: .01 1/4
Scopolamine, see hyoscyne		
Sedilits Mixture, 225 lb bbls ..	lb	.16% : .16%
SILICA		
Crude, bulk, mines	ton	6.00 : 7.00
Refined, floated, bags	ton	15.00 : 30.00
Air floated, bags	ton	32.00 : 50.00
Extra, floated, bags	ton	55.00 : 65.00
Colloidal, 1 dos bot	oz	: 2.80
SILVER metal American os	oz	: .65%
Iodide, 16 oz bot	oz	: .69
Nitrate 16 oz bot	oz	: .44 1/4
Nucleinate 1 oz bot	oz	: .41
Bulk	oz	: .34
Proteininate, 1 oz bot	oz	: .36
Bulk	oz	: .29
Soap, Castile, 40 lb bxs	lb	.30 : .35
Powd. USP, 250 lb bbls ..	lb	.28 : .30
Green, USP, 450 lb bbls	lb	.07 1/4 : .08 1/4
Soapstone, see Talc. crude		
SODA ASH, 58% light		
1-4 bags delivered NY	100 lb	: 2.19
5 & Up bgs., del'd NY	100 lb	: 2.04
1-4 bbls, del'd NY	100 lb	: 2.44
5 & Up bbls del'd NY	100 lb	: 2.29
Contract, Basis 58% dense bags		
wks	100 lb	: 1.33
Prompt and spot, Basis 58% bgs		
c-l wks	100 lb	: 1.43

SODA ASH (Cont.)

c-l wks	100 lb	: 1.45
Pmpt. and spot, Basis 58% bags		
c-l wks	100 lb	: 1.50
SODA, CAUSTIC, 76% solid		
1-4 drums del'd NY	100 lb	: 3.81
5 & Up drums del'd NY	100 lb	: 3.76
Ground & Flake 76%		
1-4 drms, del'd NY	100 lb	: 4.31
5 & Up drs del'd NY	100 lb	: 4.16
1-4 bbls del'd	100 lb	: 4.58
5 & Up bbls del'd	100 lb	: 4.41
Contract basis 76% c-l wks	100 lb	: 3.10
Pmpt. and spot Basis 76%		
c-l wks	100 lb	: 3.20
Contract 74% low grade c-l wks		
flat	100 lb	: 3.03
Ground & Flake, 76% pmpt. and		
spot, wks, c-l drs 100 lb		: 3.60
Contract 76% drums c-l wks		
flat	100 lb	: 3.50
URP, stick, 10 lb cans	lb	.19 : .21
Pure, stick, by alcohol	lb	.25 : .27
Soda Sal. see Sodium Carbonate		
Sodium Metal, 12 1/2 lb bricks ..	lb	: .27
SODIUM ACETATE, crys 450 lb bbls		
wks	100 lb	: .04 1/4 : .05
Aluminate 500 lb bbls wks lb		: .07 1/4 : .08
Aluminum Sulfate, see alum soda		
Arsenite, 4 lb mtl. wks drn gal		.50 : .60
Drums, 8 lb material, wks gal		1.00 : 1.30
Benzonate, USP, 100 lb bbls lb		.50 : .55
Bicarbonate, 400 lb bbls NY	100 lb	: 2.41
Bbls c-l wks	100 lb	: 2.00
112 lb kegs c-l wks	lb	: 2.25
112 lb kegs NY	100 lb	: 2.86
Bichromate, 500 lb casks wks lb		.06 1/4 : .06 1/4
Casks c-l NY	lb	.06 1/4 : .06 1/4
Casks, NY	lb	.06 1/4 : .06 1/4
Bisulfite, dry powder 500 lb		
bbls wks	lb	.03% : .04
Imported	lb	: .03%

Formic Acid
Oxalic Acid
Tartaric Acid



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SODIUM (Cont.)

BROMIDE, USP, 450 lb bbls	.48	: .49
Cases, 50 lb	.48	: .49
Imp. USP., 220 lb cases	.44½	: .45
Bromate, 100 lb cs	...	: 1.15
Cacodylate, USP, 25 lb	5.90	: 6.10
50 lb bot	...	: 6.10
Carbonate Sal Soda 350 lb bbls	1.30	: 1.35
le-1 NY	1.10	: 1.30
Works c-1	...	: 1.30
Monohydrate, 400 lb bbl	...	: 2.40
le-1 NY	...	: 2.40
Pure photographic 100 lb	...	: .06
keg	.06	: .08
Chlorate, 112 lb kegs wks	.06½	: .06½
Imported, 112 lb kegs	.06½	: .06½
Chloride, tech	12.00	: 13.00
C. P. 300 lb bbls	.05	: .06
Chromate 800 lb bbl	...	: .08
Citrate, USP, X 50 lb bbls	.45	: .47
kegs	.38	: .40
USP, VIII, 50 lb bbls kgs	...	: .20
Cyanide 96-98% 100 & 250 lb drums	...	: .19
wks	...	: .19
c-1 wks	...	: .18
Imp. 95-97% 100 lb drums	...	: .09
c-1	.08½	: .10
Fluoride, 300 lb bbls, wks	...	: 1.40
IMP. 700 lb cks	1.05	: 1.20
Glycerophosphate USP, cryst. 25 lb cans	1.40	: 1.55
Powder, 25 lb tins	1.45	: 1.60
Solution, USP, 25 lb tins	1.05	: 1.20
Hypochlorite Soln., 100 lb chyn	...	: .05
14½ soln., 50 lb chyn	...	: .04
Hydrosulfite, 200 lb bbls fobwks	.22	: .24
For Stripping, 50 lb cans	.20	: .25
Hypophosphite, USP, 25 lb cans	.70	: .75

SODIUM (Cont.)

HYPOSULFITE, tech., pen. crys.	2.65	: 3.05
375 lb bbls, wks 100 lb	...	: 2.50
Bbls., c-1 wks	2.80	: 2.90
100 lb kegs, wks	2.75	: 3.00
Imp	2.40	: 2.65
Regular crys., bbls. wks 100 lb	2.40	: 2.50
Bbls., c-1 wks	2.35	: 2.45
Kegs, wks	2.35	: 2.45
Imp	4.25	: 4.30
Iodide, USP, 25 lb jars	.70	: .75
Metanilate, 150 lb bbls	...	: 1.10
Molybdate 100 lb kgs	.55	: .57
Naphthionate, 300 lb bbls	...	: 2.65
Nitrate crude, 95% 200 lb kgs	...	: 2.72
c-1 NY	...	: .03½
April-May Ship NY 100 lb	...	: .09
Double Refined 400 lb bbls	...	: .08½
gran. c-1 wks	.25	: .27
Nitrite, 500 lb bblspot makers	.20	: .23
Imp. 650 lb casks	.21	: .22
Ortho-Chloro-Toluene Sulfonate	.21	: .22
175 lb bbls, wks	...	: .27
Oxalate, neutral, 100 lb kegs	...	: .08
Perborate, 275 lb bbls	.30	: .31
Imp. 225 lb drs	...	: 3.90
Peroxide, 200 lb cases	...	: .69
Phosphate, di-sodium, tech., 550 lb Bbls	.08	: .09
USP, gran., 275 lb bbls	...	: .07½
Imp. gran	.07½	: .08
USP, Crystal, 275 lb bbls	...	: .10½
Mono-sodium, 100 lb kegs	.24	: .26
Tri-sodium tech c-1 bbls 100 lb	...	: .38
Picramate, 100 lb kegs	...	: .40
Para-Toluene Sulfonate 175 lb bbls	...	: .10½
PRUSSIAN, yellow, 350 lb bbls	...	: .10½
wks	...	: .24
Imp 50 lb cks	...	: .38
Pyrophosphate, 100 lb kegs	...	: .39
Salicylate, 100 lb kegs	...	: .40
Second hands, USP, kegs	...	

SODIUM (Cont.)

Silicate, 40° turbid, tanks	...	: .75
wks	...	: 1.10
55 gal. drums, wks 100 lb	...	: 1.10
40° clear, tanks, wks 100 lb	...	: 1.45
55 gal. drs. wks	...	: .80
42° turbid tks., wks	...	: 1.15
55 gal. drs wks	...	: 1.25
42° clear, tanks, wks 100 lb	...	: 1.35
55 gal. lrs., wks	...	: .04½
Silicofluoride, 300 lb bbls NY	...	: .42½
Stannate, 100 drums	...	: .03
Sulphate, see Glauber's Salt	...	: .04½
Sulfate, Anhydrous, 550 lb bbls	...	: .02
c-1 wks	...	: .04½
U.S.P.	...	: .02½
Imp., 250 lb bbls	...	: .04
Sulfide, 60% solid, 650 lb drs.	...	: .04½
le-1 wks	...	: .04
Drs., c-1 wks	...	: .03½
Imp., 700 lb drs NY	...	: .04½
60% broken, 650 lb drs. wks	...	: .04
Drs. c-1 wks	...	: .02½
30% crys., 440 lb bbls. wks	...	: .03½
Imp., 400 lb bbls	...	: .03½
Sulfite, cryst., 400 lb bbls wks	...	: .09½
Anhydrous, 400 lb bbls	...	: .34
Sulfocarbolate, USP, 100 lb kegs	...	: .40
Sulfoeyanide, 400 lb bbls	...	: .80
Tungstate, cryst., 100 lb kegs	...	: .40
SOLVENT NAPHTHA, 110 gal.	...	: nom.
dr. wks	...	: .80
8,000 gal tnk crs wks gal	...	: .77
Sparteine Sulfate, USP, 250 lb bbls	...	: .01
Single oz. vial	...	: .01½
Spruce, 25% liquid tanks, wks	...	: .02
bbls	...	: .02½
Powd., 50% 100 lb bags wks	...	: .09
Starch, rice, 140 lb bags	...	: .10



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Chemicals

STARCH, powd., 140 lb bgs c-1100 lb	...	3.32	SULFUR (Con't)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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BEESWAX

Ceresin, All Grades and Colors
Refined Yellow Beeswax

Pure Crude Beeswax
Spermaceti-Bayberry

Snow Flake White Bleached Beeswax
Carnauba, Natural, Bleached and Powdered
Stearic Acid, Highly Refined and Crystallized

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Chemicals

Tripoli, 500 lb bbls	100 lb	2.50	3.00
Tungsten, NY	50 lb	12.00	13.00
Turkey Red Oil, bbls single	lb	.11	.12
double	lb	.14	.16
Turpentine Spirits, bbls	gal	.95 1/2	1.00
Wood steam Dist. bbls	gal	.85 1/2	.90
Ultramarine Blue	lb	.15	.25
UREA, pure 112 lb cases	lb	.18	.20
Valonia Caps. 30-31% tan	ton	35.00	35.00
Board. 42% tan bags	ton	53.00	55.00
Mixture, 36% tan bags	ton	39.00	39.00
VANILLIN, USP, 500 oz cans	oz	.40	.40
Cane, 80 oz	oz	.50	.50
Cane, 16 oz	oz	.51	.51
Second Hands	oz	.42 1/2	.45
Venetian Red	lb	.60	.60
Vermilion, Amer., 100 lb kegs	lb	.35	.40
English, kegs	lb	1.40	1.45
Veratrine Sulfate, 1 oz vial	oz	1.85	1.85
Hydrochloride, 1 oz vial	oz	1.85	1.85
Veronal, see Acid Diethylbarbituric			
Wattle Bark, bags	ton	38.50	41.00
Extract 55% dble bgs ex-dock	lb		.05 1/2
WHITE LEAD, see lead, white			
White Precipitate, see mercury			
Whiting, 200 lb bags c-l wks 100 lb	ton	1.25	1.25
Alba bags NY c-l	ton	13.00	13.00
Gilders, bags NY c-l	ton	1.35	1.35
French, bags NY c-l	ton	14.50	19.00
English, bags NY c-l	ton	21.00	22.00
Paris white bags c-l	100 lb	1.00	1.00
Witch Hazel Extract, 50 gal bbls gal	lb	1.05	1.10
XYLENE, 3° dist range nitration			
110 gal drs NY	gal	.70	nom.
5° dist. range, 8000 gal tanks			
wks	gal	.55	nom.
110 gal drs wks	gal	.60	nom.
10° dist range drms, wks gal	gal	.55	nom.
Tanks wks	gal	.50	nom.
Com'l 110 gal drs wks gal	gal	.41	nom.
Tanks wks	gal	.38	nom.
Xylidine crude	lb	.35	.35
Refined	lb	.38	.40

YARA YARA, 1 lb tins	lb	1.05	1.30
Yohimbin Hydrchloride, 1 oz vial	oz	3.25	4.50
Resale	oz	2.75	3.00
Yolk Oil bbls	lb		.35
ZINC METAL, high grade, alaba			
c-l NY	100 lb	7.35	7.35
Ammonium Chloride, powd., 400 lb	lb		.06 1/2
bbls	lb		.10
Carb., tech bbls NY	lb	.09 1/2	.10
USP, 100 lb kegs	lb	.20	.20
Chloride, fused, 600 lb drs wks	lb	.06	.06
Dra. c-l wks	lb	.05 1/2	.05 1/2
Granulated, 500 lb bbls wks	lb	.06 1/2	.06 1/2
Imported dr NY	lb	.07	.07
Solution, 50% tanks wks 100 lb	lb	3.00	3.00
USP, 25 lb jars cont. ex	lb	.27	.29
Cyanide, 100 lb drs	lb	.40	.41
Dust, 100 lb tins wks	lb	.10	.10
500 lb bbls kegs c-l wks	lb	.09	.09
500 lb bbls kegs le-l wks	lb	.09 1/2	.09 1/2
Iodide, 5 lb bots	lb	5.22	5.22
Nitrate, 25 lb jars	lb	.45	.45
Oxide, Amer., Bags wks	lb	.07 1/2	.07 1/2
Amer 300 lb bbls wks	lb	.07 1/2	.07 1/2
French, 300 lb bbls wks	lb	.10 1/2	.12 1/2
Bbl. c-l wks	lb	.10 1/2	.12 1/2
Bags c-l wks	lb	.10 1/2	.12 1/2
USP, 100 lb bbls c-l	lb	.14	.14
10-25 bbl lots	lb	.15	.15
5 bbl lots	lb	.16	.16
1 bbl lots	lb	.17	.17
Imported, white seal, bbls	lb	.13	.13 1/2
Green seal, bbls	lb	.11 1/2	.12
Red seal, bbls	lb	.10 1/2	.11
Stearate, USP, 50 lb bbls	lb	.21 1/2	.24
Second hands	lb	.20	.21
Sulfate, 400 lb bbls wks	lb	.03 1/2	.03 1/2
Bbls c-l wks	lb	.03	.03
USP 100 lb bbls	lb	.08	.09
Sulfide, 500 lb bbls	lb	.30	.32
Sulfocarbonate, 100 lb kegs	lb	.29	.30
Zincum, oxide, pure	lb	.45	.50
Semi-refined, bags	lb	.08	.10
Natural, bags	lb	.02 1/2	.03

Oils - Fats

Castor, No. 1, 400 lb bbls	lb	.13 1/2	.14
80 lb cases	lb	.14 1/2	.15
No. 3	lb	.13	.13 1/2
Blown, 400 lb bbls	lb	.18	.18
China Wood, spot NY	lb	.11	.11 1/2
Tanks, Spot, NY	lb	.10	.10
Coast Tanks	lb	.09 1/2	.09 1/2
Coconut Ceylon, 375 bbls NY	lb	.11	.11 1/2
8,000 gal tanks NY	lb	.10 1/2	.10 1/2
Cochin, 375 lb bbls NY	lb	.11 1/2	.12
Tanks NY	lb	.11	.11
Manila bbls NY	lb	.11 1/2	.11 1/2
Tanks NY	lb	.10	.10 1/2
Tanks, Pacific Coast	lb	.09 1/2	.09 1/2
Edible bbls NY	lb	.13 1/2	.14
Cod Newfoundland, 50 gal bbls gal	gal	.68	.70
Tanks, NY	gal	.60	.63
Cod Liver, see Cod Liver Oil under Chemicals			
Copra, bags	lb	.06	.06 1/2
Corn, ref., 375 lb bbls NY	lb	.13	.13 1/2
Tanks	lb	.12	.12 1/2
Crude tanks mills	lb	.10	.10
Bbls NY	lb	.13	.13
Cottonseed Crude, tks., mill	lb	.10 1/2	.10 1/2
PSY, 100 bbls NY spot	lb	.11 1/2	.11 1/2
April-Oct	lb	.11 1/2	.11 1/2
White, 100 bbls lots NY	lb	.14	.14
Winter yellow, 100 bbls NY	lb	.14 1/2	.14 1/2
Degras, Amer, 50 gal bbls NY	lb	.04 1/2	.04 1/2
English, light bbls NY	lb	.05 1/2	.05 1/2
Brown, bbls NY	lb	.04 1/2	.04 1/2
Light brown, bbls NY	lb	.04 1/2	.04 1/2
Dark, bbls, NY	lb	.03 1/2	.04
Neutral, bbls NY	lb	.07 1/2	.12
Moellon, bbls, NY	gal		.50
Greases choice white bbls NY	lb	.09 1/2	.09 1/2
Yellow	lb	.08	.08
House	lb	.07 1/2	.07 1/2
Brown	lb	.07 1/2	.07 1/2

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TRI SODIUM PHOSPHATE

Oils - Fats

Herring, Tanks, Coast	gal	.40	nom.	Peanut refined bbls NY	D	.15	nom.	Crude Drugs		
Horse, 375 lb bbls NY	D	.10	nom.	Crude, mills buyers' tks	D	...	.10	Acetone Gum, red, see Yacca		
Lard, prime steam, bbls	D	.15	.15%	Crude, bbls, NY	D	...	.11	ACONITE LEAVES, bales	D	.09 : .10
Compounds, bbls	D	.13%	.14	Perilla, bbls NY	D	...	.14%	Root, USP, bags	D	.24 : .25
LARD OIL edible prime	D	...	.16%	Poppyseed, bbls NY	gal	1.85	2.00	Agar Agar, 1, 200 lb bbls	D	1.15 : 1.25
Off prime bbls	D	...	.13	Rapeseed, bbls NY Japanese	gal	.86	.90	No 2 bales	D	...
Extra bbls	D	...	.12%	English	gal	.92	.95	No 3, bales	D	.73 : .75
Extra No. 1 bbls	D	...	.12%	Blown bbls NY	gal	1.10	1.12	Agaric white, cases	D	.90 : .95
No. 1 bbls	D	...	.12	Red Oil, distilled bbls	D	...	.10%	Granulated, boxes	D	1.25 : 1.50
No. 2 bbls	D	...	.11%	Tanks	D	...	.09%	Almonds, bitter, boxes	D	.55 : .60
LINSEED raw c-l bbls spot	D	...	.107	Saponified, bbls	D	...	.10%	Sweet, boxes	D	.65 : .70
Fire bbls raw	D	...	.11	Tanks	D	...	.09%	Meal, barrels, boxes	D	.24 : .28
Tanks, raw	D	...	.099	Salmon, 8000 gal. tks. Coast	gal	.50	nom.	Alcitra Root, bags	D	.40 : .42
Bld, 5bbl lots wks	D	...	.113	Sardine, Tanks, Pacific Coast	gal	...	.57	Alkanet Root, bag	D	.08%
Dbl, bolted 5bbl	D	...	.115	Sesame, edible, yellow bbls	D	...	.13%	Alces, Barbadoes, 120 lb bbls	D	...
April-June c-l wks	D	...	.107	White	D	...	.14%	Cape, 400 lb cases	D	.10%
July-Aug c-l wks	D	...	.108	Sod Oil, bbls, NY	gal	...	.40	Curacao, 100 lb cases	D	.10%
Imported bbls, NY	gal	...	...	Crude, tks NY	D	...	.11	Socotrine whole, 300 lb cs	D	.30 : .33
Tanks, NY	gal	...	...	Crude, bbls NY	D	...	.12%	Althea Root Cut cs	D	.44 : .45
Menhaden, crude tanks, Balt	gal	.55	nom.	Refined, bbls NY	D	...	.13%	Ord. & Fwd. bgs	D	.50 : .55
Light pressed, bbls NY gal	D	.70	.72	Sperm., 38° c.t. bleached bbls NY gal	D	.85	.86	Ambergris, black boxes	ea	18.00 : 20.00
Yellow, bleached bbls NY gal	D	.73	.75	45° cold test, bleached bbls NY gal	D	.82	.84	Grey, boxes	ea	30.00 : 35.00
Extra bleached bbls NY gal	D	.75	.77	STEARIC ACID,				Ammoniac, tears, bags	D	.60 : .75
Blown, bbls, NY	D	...	.10%	Double pressed, bags distilled D	D	.14%	.14%	Angelica Root, dom. bags	D	.17 : .18
Neatsfoot 20° c.t. bbls NY	D	...	.20%	Double pressed, bgs., saponified D	D	.14%	.14%	Imp.	D	.15 : .16
Pure bbls NY	D	...	.16%	Carlots	D	...	.14%	Angostura Bark, bags	D	.18 : .20
Extra bbls NY	D	...	.12%	Triple pressed, bgs., distilled D	D	.16%	.16%	Anise, Levant, bags	D	.12%
No. 1 bbls NY	D	...	.12	Triple pressed, bgs., saponified D	D	.16%	.16%	Russian bags	D	.12 : .13%
C.P. bbls NY	D	...	.20%	Carlots	D	...	.16%	Star Case	D	.14%
Oleo Oil No 1, bbls NY	D	...	.13	Stearine oleo, bbls	D	...	.11	Speanish bags	D	.12%
No. 2 bbls NY	D	...	.12%	Tallow edible, tierces	D	...	.09%	Annatto Seed, 200 lb bags	D	.13 : .14
No. 3, bbls NY	D	...	.10%	City Extra loose	D	...	.08%	ARABIC GUM,		
OLIVE, denatured bbls NY	gal	1.15	1.20	Tallow Oil, acidless tks, NY	D	...	.11%	White, No. 1, 200 lb bags	D	.24 : .25
Edible, bbls NY	gal	...	1.85	Bbls. c-l NY	D	...	.12%	Seconds, 250 lb bags	D	.22 : .23
Foots bbls NY	D	...	.08%	Walnut, crude bbls NY	D	...	...	Sorts, Amber 200 bags bbl	D	.12%
Shipments	D	...	.08%	Whale, nat winter bbls, NY	gal	.76	.78	Powd. USP, 300 lb bbls	D	.20 : .25
Palm Lagos, 1500 lb casks	D	...	.08%	Blehd winter bbls, NY	gal	.78	.80	Areca Nuts 150 lb bags	D	.18 : .19
Niger casks	D	...	.08	Extra Bleh, bbls, NY	gal	.80	.82	Powd., 200 lb bbls	D	.23 : .25
Bonny old Calabar, casks	D	...	nom.	Crude No 1, tanks coast	gal	...	...	Arnica Flowers bales	D	.18 : .20
Palm Kernel bbl NY	D10	Crude No. 2, tanks coast	gal	Root, bags	D	...
Casks	D09%	Crude No. 3 tanks coast	gal			nom.

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Crude Drugs

Arrowroot Amer., Powd., bbls10	..	.10½	Burdock Root, bags09½	.10	Cassia Batavia, No. 3 bales09½	.10
Sennada, bbls				Seed bags .....		.60	China, Select rolls cases .....	.08	.08½
St. Vincent Powd. bbls .....	.12½		.13	Burgundy Pitch dom 110 stands			Broken, bales .....	.08½	.08½
Amfetida, USP, 250 lb cases .....	.27		.28	Gross for net .....	.08	.08½	Saigon, Cut thin .....	.28	.29
Powd., 50 lb bbs .....	.44		.50	Imported .....	.11	.12	Buda, cases .....	.22	.23½
BALM GILEAD BUDS, bags .....	.40		.42	Calabar Beans bags .....	.45	.60	Cassia Fistula, baskets .....	.07	.09
Balmomy Herbs, bales .....			.15	Calamus Root, bleached, cases .....	.45	.50	Castile Soap, USP, powd., 200 lb .....	.20	.22
BALSAMS				Unbleached bags .....	.06½	.07	Powd., USP, 200 lb bbls .....	.30	.33
Copalba, Para 80 lb cs .....	.42½		.45	Calendula Petals Imp bales .....	.80	.85	Castor Beans, bags .....	.03	.03½
South American 80 lb cs .....	.46		.49	Calisaya Bark, bales .....	.24	.25	Catnip Herb, bales .....	.23	.26
Pir Canada, cans	11.50		12.00	Powdered, bbls .....		.28	Catechu Gum bags .....	.11	.12
Oregon bbls cases	1.00		1.20	Canary Seed, Morocco, bags .....	.06½	.07½	Celery Seed bales .....	.20½	.22
Peru, 120 lb cases	1.80		1.90	Spanish bags .....	.08½	.08½	Ceresin Wax, white bags .....	.12	.30
Tolu, 120 lb cases	1.10		1.15	South American, bags .....	.05½	.05½	Yellow, 200 lb bags .....	.10	.12
Bamboo Brier Root, bags .....			.07½	Dutch bags .....	.05½	.06½	Imp., 100 lb bags .....	.28	.38
Barberry Bark, tree bales .....	.13		.15	Candella Wax, bags .....	.36	.38	CHAMOMILE FLOWERS, Roman		
Root, bags .....	.24		.35	Canella, Alba Bark, bales .....		.42	cases bales .....	.21	.25
Bayberry Bark, bales .....	.10		.10½	Cannabis, true Imp., bags			Hung cases bales .....	.19	.20
Wax bbls .....	.21		.22	American (no assay) bales .....	.22	.25	Charcoal, Willow powd bbls .....	.08	.08½
Belladonna Leaves, bales .....	.22		.25	USP .....	.28	.30	Wood powd. bbls .....	.04	.05
Root bags .....	.16		.18	Cantharides, Chinese cases .....	.75	.78	Chestnut Bark, bags .....	.07	.08
Rees Wax, white cases .....	.59		.60	Powdered bags	1.00	1.15	Herb, bales .....	.06	.06½
Yellow, refined cases .....	.48		.49	Russian, cases .....	.60	.65	Chicle Gum, 100 bbs .....	.75	.80
Crude bags .....	.41		.46	Powdered boxes .....	.75	.80	Chiffreta bales .....	.07	.10
Commercial cs., .....	.27		.28	Caraway Seed, African, bags .....	.07½	.08	Cinchona Bark, red quill bales		
Benzoin Gum, glam, boxes	1.10		1.45	Dutch, 11 lb bags .....	.08½	.06½	20 inch .....	.65	.70
Sumatra 80 lb bbs .....	.32		.35	Cardamom, bleached cases	2.65	3.00	10 inch .....	.60	.65
Berberis Aquifolium Root, bags .....	.11½		.12	Decorticated cases	1.65	1.70	Chips, red 150 lb bgs .....		.24
Beth Root, bags .....	.23		.25	Green, grinding bags	1.10	1.20	Yellow .....	.24	.25
Bitter Root, 100 lb bags .....	.25		.26	Carnauba Wax, Flor., bags .....	.50	nom.	Cinnamon, Ceylon, No. 1 bales .....	.53	.54
Blackhaw Bark, root bales .....	.28		.29	Powd. .....	.50	nom.	No. 2, bales bond .....	.51	.53
Tree, bales .....	.16		.16½	No. 1, Yellow bags .....	.48	.49	No 3 bales .....	.43	nom.
Black Indian Root, 100 lb bags .....	.25		.30	No. 2, regular bags .....	.43	.44	West Almond horns	2.50	2.60
Blood Root, bags .....	.13		.14	No. 2, N Country bags		nom.	Clover Tops bags .....	.15	.16
Blueflag Root, bags .....	.26		.27	No. 3, N Country bags .....	.36	.38	Cloves, Zanzibar 135 lb bbs .....	.24	.24½
Boldo Leaves, bales .....	.19		.22	No. 3, chalky bags .....	.36	.38	Amboyna, bales		nom.
Boneset Herb, bales .....	.07		.08	Cascara Amarga 150 lb bbs	1.25	1.50	Penang, bales .....	.42	nom.
Leaves, bales .....	.08		.09	So-called bales .....	.70	.75	Cochineal, Black .....	.65	.67
Borage Flowers, bales .....	.17		.19	Cascara Sagrada, bales			Silver .....	.71	.72
Bryonia Root, bags .....	.11		.12	1923 bark .....	.18	.20	Coca Leaves, Huamco bags		
BUCHU LEAVES, short, 250 lb				1924 bark .....	.15	.18	Truxillo, bags		
bales .....	.45		.47	1925 bark .....	.14	.15	Cohosh Root, Black bags .....	.07½	.08½
Lean bales .....	.50		.52	Cascarella Bark, quills bales .....	.90	1.00	Blue, bags .....	.08	.10
Long bales				Siftings bbls			Cochineal Root, bags .....	.06½	.07
Buckbean Leaves, bales .....	.12		.15	Cassia Batavia No 1, bales .....	.11½	.12	Seed, bags .....	.20	.21
Buckthorn Bark, bags06		.07	Shortstick bales10½	.11	Colocynth, Pulp USP, bales30	.34
Berries60		.65						

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Coltsfoot Leaves, bags10	.12	Elecampane Root, bags07½	.08½	Guarana, tins cases	1.25
Comfrey Root, bags .....	.12	.13	Elder Flowers, bags .....	.10	.11	GUM, see Arable Gum, etc.	
Condurango Bark, bags .....	.13	.13½	Elemi Gum, 85 lb cases .....	.20	.21	HELLEBORE ROOT	
Conium Herb, bags .....	.11	.12	Elm, bark select 5 lb bundle cases	.21	.23	Black, bbls .....	.05½ .06
Seed, bags .....	.10	.11	Grinding bags .....	.14½	.16	Powdered .....	.13 .15
Copaiba Balsam Para, See Balsams			Powdered, bbls .....	.22	.28	White, 250 lb bbls .....	.09 .10
Coral Gum .....	.12	.13	ERGOT, 150 lb 200 lb bags	1.25	1.35	Powdered .....	.10½ .11
Coriander Seed, Bombay, bags .....	.06	.06½	Eucalyptus Leaves, bales .....	.05	.06	Helonias Root (unicorn false)	
Morocco, bags .....	.04½	.05½	Euphorbia Pithulifera Herb bags	.08	.09	bags .....	.62 .95
Bleached bags .....	.07½	.08	Euphorbia Gum, cases .....	.23	.27	Hemp Seed, Bags .....	.03½ .05
Corn Silk bales .....	.05½	.06	Powdered boxes .....	.28	.30	Henbane Leaves, bales USP, .....	.22 .25
Cotton Root Bark bales .....	.13	.14	Fennel Seed, French bags .....	.08	.09	Henna Leaves bales .....	.10 .12
Cowhage, oz. tins	1.50		German bags .....	.11½	.12½	Powder .....	.13 .15
Cramp Bark, so called bales .....	.06½	.07	Indian bags .....	...	...	Honey, Calif., 120 lb cases .....	.11 .12
True, bags .....	.30	.32	Fenugreek Seed, 200 lb bags .....	.05	.05½	Hops, NY prime bales .....	.28 .30
Cranebill Root, bags .....	.09	.10	Fish Berries, 100-125 lb bags .....	.06	.07½	Pacific Coast prime bales .....	.25 .27
CUBE BERRIES XX bags .....	.58	.60	Flax Seed, whole 180 lb bbls	14.75		Horsehound Herb, bales .....	.08 .09
Powdered, bxs .....	.63	.65	Ground 180 lb bbls .....	.08	.08½	Horse Nettle, Berries, bags .....	.35 .55
Culvers Root, bags .....	.18	.20	Fringe Tree Bark, bags .....	.22	.23	Horsetail Rush, bags .....	...
Cumin Seed, Malta bags .....	.10½	.10¾	Fumigating Pastilles Black 1 lb	.40	.42	Hydrangea Root, bales .....	.09 .10
Moreoco bags .....	.09½	.10	boxes .....	.45	.50	India Gum, see Karaya	
Cuttlefish Bone, Trieste, straps	.12½	.13	Red, 1 lb boxes .....	.09	.10	INSECT FLOWERS open whole	
Jewellers large, straps .....	...	.50	GALANGAL ROOT, bags .....	...	1.35	Bales .....	.24 .25
Small, straps .....	...	.25	Galbanum Gum, cans .....	...	.10½	Powdered .....	...
French straps .....	.12½	.15	Gambier Gum, bbls .....	.85	1.00	Closed whole bales .....	...
Powdered boxes .....	.08	.09	Powdered cases	1.05	1.10	Powdered pure 200 lb bbls .....	.28 .30
Broken boxes .....	...	.07	Gelsemium Root, bgs .....	.09½	.10	Ipecac Root, Cartagena bags	3.20 3.25
Damar Gum, Batavia, 136 lb cs	.25	.28	Gentian Root, bags .....	.07½	.08	Powdered 200 lb bbls bxs	3.55 3.65
Singapore No. 1 cs .....	.39	.40	Ground, bbls, boxes .....	.10	.11	Rio Whole, bags .....	...
Damiana Leaves, bales .....	.32	.35	Powdered boxes .....	.11	.12	Powdered 200 lb bbls bxs	3.60 3.65
Dandelion Root, Imp., bags .....	.17	.18½	Ginger African bags .....	.09½	.09¾	Isinglass American, 130 lb cs .....	.85 .90
Deer Tongue Leaves bales .....	.17½	.20	Jamaica grinding bags bbls .....	.15½	.16	Russian (Beluga) bxs cans	4.00 4.50
Digitalis Leaves, bales .....	.22	.25	Japan, bags .....	.20	.21	JABORANDI LEAVES, bales .....	.09 .10
Dill Seed, bags .....	.07½	.08	Cochin, ABC, & Lemon bgs .....	.14½	.15	Jalap Root, whole 150 lb bags .....	.24 .30
Cleaved bags .....	.15	nom.	Ginseng Root, cultivated bags	8.00	10.00	Powdered, USP, 250 lb bbls .....	.30 .32
Dogwood Bark, Jamaica bags .....	.09½	.10	Northwestern Wild, bags	12.00	14.00	Japan Wax, 224 lb cs .....	.17½ .18
American, bales .....	.07	.08	Northern Wild, bags	8.50	10.00	Job's Tears, White bags .....	.12 .13
Doggrass Root, USP, cut bags .....	.11	.12	Golden Seal Root bags	5.60	6.00	Juniper Berries, 125 lb bags .....	.08½ .07
Dragons Blood, mass cases .....	.70	.75	Powdered boxes	6.00	6.25	Sifted bags .....	...
Reeds, boxes .....	.95	1.00	Herb bbs .....	...	1.35	KAMALA, USP., boxes	1.00
ECHINACEA, Root bags .....	.30	.33	Grains of Paradise, bags .....	.14	.15	Karaya Gum, powdered bbls .....	.10 .25
			Grindelia Robusta Herb bales09	.09½		
			Guaiac Gum, 80 lb cases powd.38	.40		
			powd.50		

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Kauri Gum No. 1	.08	.70	Marjoram Leaves, French, bales	.46	.47	Opium, Powdered, USP, cases	13.00	14.00
Kava Kava Root bags	.18	.17	Chilian, bales	.36	.37	Orange Flowers, cases	.25	1.22
Kino Gum, black cases	.50	.55	Mastic Gum, 120 lb cases	.48	.50	Peel, bitter, bags	.07	.08
Kola Nuts, 150 lb bags	.06	.06 1/2	Matico Leaves, bales	.50	.55	Sweet bags	.10	.11
Kousso Flowers, bags	.50	1.25	W-cereon Bark, bags	.11	.12	ORRIS ROOT, Florentine bid bgs	.08 1/2	.10
LADY SLIPPER ROOT, bags	.45	.47	Millet Seed, dom., yellow bags	.03 1/4	.04	Powdered 200 lb bbls	.11 1/2	.12
Larkspur Seed, bags	1.55	1.60	Montan Wax, crude bags	.06 1/4	.07	Verona, bags	.08	.08 1/4
Laurel Berries bags	.08	.09	Bleached bags	.25	.28	Powdered 200 lb bbls	.11	.12
Leaves, Greek bags	.05	.05 1/4	Moss, Iceland, bales	.08	.08 1/4	Fingers, cans	.58	.60
Italian bales	.04 1/4	.05	Irish, bleached, bales	.12	.13	Onokerite Wax, brown hard bags	.24	.26
American bales	.25	.35	Mullein Flowers, tins	.20	2.00	Green, hard bags	.30	.31
Lavender Flowers, ordinary	.25	.28	Musk, pods, carbadine, tins	.02	.02	Refined, yellow, bags	.27	.37
Selected	.36	.40	Toouquin tins	24.00	26.00	PAPRIKA, bags	.13 1/4	.25 1/4
Leeches tubs	3.00	3.25	Grain Cab tins	.02	.02	Fardra Brata Root, bags	.11	.13
Lemon Peel, bags	.07 1/4	.08	Toouquin tins	36.00	44.00	Parley Seed, bags	.15	.15
Licorice Root, Russian whole bbs	.12	.13	Synthetic, see Chemicals			Patchouli, Leaves bales	.19	.20
Spanish, natural bales	.05 1/4	.07	Monk Root, Russian bags	.60	.65	Pellitory Root, bales	.15	.16
Powdered, bbls	.08 1/4	.10 1/4	Mustard Seed Bari brown bags	.11 1/4	.12	Pennyroyal Herb 100 lb bgs	.08	.09
Selected, 2 & 6 lb bundles	.13	.16	Bombay, brown bags	.07 1/4	.08	Leaves, 100 lb. bgs	.20	.21
Cuttings 125 lb bags	.06 1/4	.07	California, brown bags	.09 1/4	.10 1/4	Pepper black, Sing bags	.30	.32
Turkish, 150 lb bales	.05	.06	Yellow bags	.11 1/4	.12 1/4	White bags	.35 1/4	.34 1/4
Lime Juice, clarified bbls	.60	.65	Chinese, yellow bags	.05 1/4	.06 1/4	Aleppy bags	.22	.23
Linden Flowers with Leaves, bales	.11 1/4	.12	English Yellow bags	.13	.13 1/4	Lempong bags	.22	.23
Without Leaves, bales	.21	.25	Dutch, yellow bags	.12 1/4	.13	Tellecherry, bags	.22 1/4	.23 1/4
Lobelia Herb, bales	.36	.40	Danish, yellow bags	.08 1/4	.09	Munchock, bags	.34	.35
Seed, bags	.60	.70	Myrrh Gum, select, 200 lb cs	.24	.27	Red Chillies Japan No. 1, bgs	.14	.14 1/4
Loraga Root, Imported bags	.18	.25	Sorts, cases	.20	.24	Mombasa, bags	.10 1/4	.10 1/4
Lupulin N.F. tins	1.60	1.70	NUTGALLS, Chinese, bags	.17	.18	Capicum Bombay bags	.09 1/4	.10
Bands, No. 1, cases	1.00	1.05	Aleppy bags	.24	.25	Peppermint leaves, imp, bales	.50	.50
Lycopodium, 88 lb cs	.95	1.00	Powd. bags	.23	.24	Domestic	.24	.40
MACE, Slaw, No. 1	1.02	1.03	Notmegs, 110s cases	.49	.50	Herb bbs	.18	.20
Bands, No. 1, cases	1.10	1.12	75s, 80s, cases	.53	.53 1/4	Salsam, see Balsam		
Batavia, No. 2 cases	.86	.86 1/4	Grinding, bags	.48	.49	Pichl Leaves, bags	.16	.16
West India, cases	.93	.94	Nux-Vomica Buttons, bags	.04 1/4	.06	Pimento Select, bags	.13 1/4	.14
Malva Flowers, blue bales	.65	1.00	Powdered, 200 lb bbls	.07 1/4	.10	Pink root, true bags	.55	.6
Black, bales	.65	.65	OAK BARK, red bags	.04 1/4	.05 1/4	Burgundy, see Burgundy Pitch		
Manaca Root, bales	.16	.20	White, bags	.06	.07	Plantain Leaves, bales	.12	.18
Manna, large flake cases	.55	.60	Olibanum Gum, Sift 250 lb cases	.10	.11	Pleuray Root, bags	.19	.21
Small flake cases	.48	.52	Tears			Foke Berries, bags	.15	.17
Sorts, cases	.30	.30	No. 1, all white 280 lb	.22	.24	Root, .....	.09	.10
Mandrake Root, bags	.12	.14	cases	.17	.18	Pomegranate Bark, of root bags	.25	.35
Marjoram Leaves, German bales	.47	.49	No. 2, 280 lb cases	.11	.13	Of Fruit bags	.23	.30
African, bales	.47	.49	No. 3, 280 lb cs	12.00	13.00	Of Tree	.23	.26
			Optum, gum, USP, cases	13.00	14.00	Poppo Flowers, red bags	.60	.65
			Granular, cases	13.00	14.00	Head	.42	.45



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14.09	Poppy Seed Dutch bags	lb	.14	.15	Savory Leaves, bales	lb	.09	.09 1/2	Spruce Gum, boxes	lb	1.00	1.10
1.22	German bags	lb	.09 1/2	.10	Saw Palmetto Berries bags	lb	...	.50	Squaw Vine, bales	lb	1.65 1/2	.19
.08	Turkish, bags	lb	.08 3/4	.09 1/4	Scammony Resin, boxes	lb	1.35	1.50	Squills, white	lb	.05 1/4	.05 1/2
.11	Blue Indian, bags	lb	.10 1/2	.11 1/2	Root bags	lb	.07 1/2	.08 1/4	Powdered bulk	lb	.12	.15
1/2 .10	White Indian bags	lb	...	...	Senega Root, bags	lb	.65	.67	Stavesacre Seed bags	lb	.24	.25
.12	Prickly Ash, Bark, Southern, bags	lb	.14	.15	SENNA, Alex 150 lb cases	lb	.22	.23	Sticklac, 250 lb bales	lb	...	.20
.08 1/2	Northern bags	lb	.18	.20	Half Leaf, 150 lb cases	lb	.13	.15	Stillingia Root, bags	lb	.14	.18
.12	Berries bags	lb	...	.75	Siftings, 400 lb bales	lb	.11	.12	Stone Root, bags	lb	.09	.10
.60	Prince's Pine, bales	lb	.15	.16	Powdered, 200 lb bbls	lb	.13	.14	St. Ignatius Beans, bags	lb	.13	.14
.36	Pulsatilla Herb, bags	lb	.11	.12	Tinnevely, Bold, 350 lb bbls	lb	.13 1/2	.14	St. John's Bread bags	lb	...	.07 1/2
.31	Pumpkin Seed, bags	lb	.17	.19	Medium Leaf bbls	lb	.11	.11 1/2	Stramonium Leaves, bales	lb	.13	.14
1/2 .25 1/2	Quassia CHIPS, bags	lb	.06 1/2	.08	Small Leaf	lb	.08	.08 1/2	Seed bags	lb	.08	.09
.13	quebracho, blk., 125 lb bbls	lb	...	.55	Powdered, 200 lb bbls	lb	.10	.12	Strophanthus Seed, Hispidus	lb	...	nom.
.41	Queen of the Meadow Herb	lb	...	.07 1/2	Pods, 350 lb bales	lb	.12 1/2	.15	Kombe bags	lb	1.10	nom.
.20	Root, bgs.,	lb	...	.08 1/2	Serpentaria Root, bags	lb	.80	.85	Styrax, liquid artif.	lb	.35	.40
.16	Quince Seed, bags	lb	.70	.75	Shellac, D. C. bags	lb	.65	.66	Gen. USP	lb	.35	.45
.09	Cape bg.	lb	.85	.90	V. S. O. bags	lb	.65	.66	Sunflower Seed, domestic bags	lb	.05 1/2	.08
.21	RAPE SEED, South Amer., bags	lb	.08	.07	Diamond 1 bags	lb	.65	.66	South American, bags	lb	.05	.05 1/2
.32	Dutch, bags	lb	.06 1/2	.06 3/4	Superfine, Orange bags	lb	.37	.38	TAGALDER BARK, bags	lb	.05	.06
1/2 .34 1/2	Japanese small bags	lb	.06 1/2	.07	Fine, bags	lb	.38	.37	Tamarinds, bbls	lb	.06 1/2	.07
.23	Raspberries, dried bbls	lb	1.45	1.50	T. N. bags	lb	.32	.33	Kegs	per keg	3.75	3.80
.23	Red Saunders, bags	lb	.08 1/2	.09	Garnet, A. C.	lb	.34 1/2	.36	Tansy Herb, bales	lb	.13	.14
1/2 .23 1/2	Rhatany Root bags	lb	.11	.12	Button bags	lb	.72	.75	Tar, Barbadoes, 50 gal bbls	lb	1.40	1.45
.35	RHUBARB, Root HD cases	lb	.35	.40	Bone Dry, bbls	lb	.40	.42	Thou Gum, 250 lb bbls	lb	.11 1/2	.13
.14 1/2	Powd., bbls	lb	.40	.42	Sideritis Herb, cut bags	lb	.15	.18	Tilla, see Linden	lb	...	...
1/2 .10 1/2	Rosemary Leaves bales	lb	.05 1/2	.10	Slmaruba Bark, bales	lb	.08	.09	Thyme, Spanish bales	lb	.08 1/2	.09
.10	Flowers, cases bales	lb	.35	.40	Skullcap Leaves, Eastern bales	lb	.42	.43	French, bales	lb	.08	.09
.60	Rose Petals pale	lb	.24	.28	Skunk Cabbage Root, bales	lb	.13	.16	Tolu Balsam, see Balsama	lb	...	...
.40	Red	lb	1.75	2.25	Snake Root, Canada, natural bags	lb	.29	.32	Tonga Bark, bags	lb	...	1.75
.30	Rue Herb, bales	lb	.18	.20	Stripped bags	lb	.65	.70	Root bbls	lb	...	1.75
.17	SABADILLA SEED, bags	lb	.22	.25	SOAP BARK, whole, 150-200 lb	lb	...	...	Vine bbls	lb	...	1.75
.14	Powdered bbls	lb	.28	.30	bales	lb	.10	.12	Tonka Beans, Angostura, cases	lb	1.90	2.00
.67	Saffron Flowers Amer bales	lb	.40	.45	Cut, 125-175 lb bags	lb	.09 1/2	.11	Para, cases	lb	...	...
.18	Valencia, 1 lb cans	lb	24.50	25.00	Crushed 200 lb bbls	lb	...	.11	Surinam, cases	lb	.85	.90
.24	Sage, Dalmatian bales	lb	.05	.05 1/2	Powdered, bgs bbls	lb	.12 1/2	.14	Tragacanth Gum, No. 1 ribbon	lb	1.65	1.70
.17	Greek, bales	lb	.02 1/2	.03 1/4	Spearmint Leaves American bales	lb	.21	.25	100 lb cs	lb	1.40	1.45
.10	Spanish bales	lb	.03	.03 1/4	Herb, bales	lb	...	.17	No 2	lb	1.25	1.30
.35	Sandalwood, chips, bags	lb	.15 1/2	.16	Spermaceti, blocks, cakes cases	lb	.38	.42	No 3	lb	.90	1.00
.30	Ground, bags	lb	.21	.22	Domestic	lb	.41	.43	Powdered, 50 lb boxes	lb	.45	.50
.26	Sandarac Gum, 300 lb bbls	lb	.34	.36	Spikenard Root, bags	lb	.15	.17	Turkish, cases	lb	...	...
.65	Sarsaparilla Root, Honduras, bales	lb	.68	.70	...	...	...	...	...	...	...	...
.43	Mexican	lb	.23	nom.
...	Sassafras Bark, ordinary bales	lb15
...	Select, bales	lb	.26	.29

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Turmeric Root, Madras bags .. lb	.07	.07½
Aleppy bags .. lb	.08½	.09
Powdered .. lb	.13	.14
China, bags .. lb	.09	.09½
Turpentine, Venice true 80 lb cs .. lb	.28	.32
Artificial, 80 lb cases .. lb	.19	.20
Spirits, see Naval Stores		
UNICORN ROOT, false, see Helonina		
True, see Aletria		
Uva Ursi Leaves, bales .. lb	.05	.05½
VALERIAN ROOT, Belgian bags .. lb	.48	.50
USP, .. lb		.30
Vanilla Beans Mex., whole case .. lb	6.00	9.50
Cuts, cases .. lb	4.00	4.00
Bourbon, cases .. lb	4.00	4.50
South American, cases .. lb	3.75	4.00
Tahiti, yellow label cases .. lb	2.50	2.75
Green Label, cases .. lb		
Vetiver Root, 100 lb bags .. lb	.25	.26
Violet Flowers, bags .. lb	.70	.72
WANHO BARK, of root bags .. lb	.68	.70
Of Tree, bags .. lb	.30	.32
White Pine Bark, rosed, bags .. lb	.06½	.07
White Poplar Bark, bags .. lb	.06	.07
Wild Cherry Bark, thin green		
Rosed, bales .. lb	.12	.13
Thick Rosed, bales .. lb	.06½	.07
Thin Natural, bales .. lb	.07½	.08
Thick Natural, bales .. lb	.08½	.10
Willow bark, bags .. lb		.07
White, bags .. lb		.15
Witch Hazel Bark, bgs .. lb	.06½	.08
Leaves, bales .. lb	.08	.09
Worm Seed American bags .. lb	.16	.25
Levant, bags .. lb	3.25	3.50
Wormwood Herb, imported bales .. lb		.10
Yacca Gum, red .. lb	.08½	.04
Ground .. lb	.06	.06½
Yellow Root (Zanthoxis) bgs .. lb	.16	.17
YELLOW DOCK ROOT, bags .. lb	.10½	.11
Yellow Parilla Root, bags .. lb	.16	.17
Yerba Mate bags .. lb	.22	.30
Yerba santa, bags .. lb	.09½	.10
Zedoary Root, bags .. lb	.06	.08

Essential Oils

Almond, Bitter, USP, 5 lb bot .. lb	3.00	3.25
Bitter ff PA 5 lb bots .. lb	3.15	3.35
Sweet, 56 lb cans .. lb	.90	.92½
Rectified, 25 lb tins .. lb	.75	.82
Amber, crude 25 lb tins .. lb	.35	.60
Rectified, 25 lb tins .. lb	.75	.82
Angelica Root, 1 lb bot .. lb	20.00	30.00
Anise Tech., 66 lb case .. lb	.58	.65
USP, 60 lb cans .. lb	.65	.70
Apricot, Kernel 50 lb cans .. lb	.65	.68
Bay, 25 lb tins .. lb	2.20	2.25
Terpeneless .. lb	6.00	6.50
Bergamot, 25 lb coppers .. lb	7.75	8.00
Terpeneless .. lb	10.00	14.00
Artificial, 25 lb cans .. lb	2.50	3.25
Birch Tar, rect., 5 lb bot .. lb	.50	.60
Crude, 50 lb tins .. lb	.16	.20
Bois de Rose, tins .. lb	3.00	3.50
Cade, 25 lb cans .. lb	.27	.28
Cajuput native 50 lb tins .. lb	.75	.80
Calamus, 5 lb bot .. lb	3.50	3.75
Camphor, Sassy 1,000 lb drs .. lb	.14½	.16½
White 1000 lb drs .. lb	.11½	.12
Cans, 50 lbs .. lb	.14	.14½
Cananga, Native, 25 lbs .. lb	3.80	4.00
Rectified, 25 lb tins .. lb	4.10	4.25
Caraway, USP .. lb	1.45	1.50
Cardamom, USP 1 lb bot .. lb	28.00	48.00
Carvol, 5 lb bot .. lb	5.25	5.75
Cascarilla, USP, 1 lb bot .. lb	50.00	52.00
CASSIA, 80-85% 400 lb drs .. lb	2.25	2.30
Redistilled USP, 50 lb cans .. lb	2.75	2.80
Cedar Leaf, 50 lb tins .. lb	.82½	.90
Cedar Wood, light, 1,000 lb drs .. lb	.25	.27
Celery, 1 lb bot .. lb	9.50	10.00
Chaulmoogra, 80 lb cases .. lb	.85	.90
Cinnamon Ceylon, 1 lb bot .. lb	10.50	13.00
Leaf, 5 lb bot .. lb	1.40	1.50

CITRONELLA, Ceylon

1,000 lb drums .. lb	.45	.47
50 lb tins .. lb	.47	.49
Java, 400 lb drums .. lb	.75	.80
50 lb tins .. lb	.85	.90
Cloves, USP, 50 lb cans .. lb	1.85	2.00
6 lb bot .. lb	1.90	1.95
Copaiba .. lb	.40	.45
Coriander, USP, 1 lb bot .. lb	6.75	8.00
Croton, USP, 25 lb tins .. lb	.90	1.00
Cubebs, USP, 5 lb bot .. lb	4.15	4.40
Cymim, 1 lb bot .. lb	9.00	10.50
Dill, 25 lb cans .. lb	4.25	4.30
Erigeron 20 lb tins .. lb	6.25	6.50
EUCALYPTUS, Austl. USP,		
56 lb cs .. lb	.53	.54
500 lb drums .. lb	.52	.53
Fennel, USP, 25 lb tins .. lb	.80	.85
Geranium, African 25 lb cans .. lb	3.25	3.50
Bourbon, 25 lb tins .. lb	3.00	3.30
Turkish 25 lb tins .. lb	3.25	3.50
Ginger 1 lb bot .. lb	8.25	9.00
Gingergrass, 25 lb tins .. lb	2.50	2.75
Hemlock, 25 lb tins .. lb	.85	.95
Juniper Berries, USP, 25 lb tins .. lb	2.75	3.00
Wood, 50 lb tins .. lb	.50	.70
Lavender, USP, 28 lb tins .. lb	4.60	5.00
Spike Spanish 50 lb cans .. lb	1.25	1.50
LEMON Ital., 25 lb cans .. lb	2.50	2.65
Terpeneless .. lb	18.00	22.00
American, USP, 25 cans .. lb	2.60	2.90
Lemongrass, native 50 lb cans .. lb	1.10	1.20
Limes, expressed, 25 lb tins .. lb	9.50	10.00
Distilled, 25 lb tins .. lb	7.00	7.50
Linaloe Mex., 80 lb cases .. lb	2.90	3.25
Mace, distilled, 50 lb tins .. lb	1.75	1.80
Mirbane, ref., Aromatic Chemicals		
Mustard, USP, 1 lb bot .. lb	12.00	14.00
Artif., USP, 5 lb bot .. lb	2.10	2.25
Neroli, Bigarade ¼ & 1 lb bot .. lb	75.00	100.00
Petale, 1 lb bot .. lb	100.00	125.00
Artificial, 1 lb bot .. lb	10.00	20.00

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5.00
1.25
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1.35
1.35
1.60
4.50
9.75
3.25

Benzyl Propionate 1 lb bot	4.00	4.25
Valerate 5 lb bot	7.50	8.00
Bornyl Acetate, 1 lb bot	3.25	3.50
Bornyl Acetate, 25 lb cases	4.25	4.75
Butyl Anthranilate 1 lb bot dom		16.00
Butyl Ether, See Ethyl Butyrate		
Cinnamic Acid, 5 lb cans	3.25	3.50
Alcohol, liquid 1 lb bot	4.80	5.00
Crystallizable	7.00	8.00
Aldehyde	3.00	3.20
CITRONELLOL, 1 lb bot	5.75	6.50
Imported, 1 lb bot	7.75	9.00
Citronalyl Acetate, 1 lb bot	13.00	14.00
COUMARIN, 25 lb cans	3.10	3.25
DIETHYL PHTHALATE, See Chemicals		
Diphenylsulfide, 25 lb tins	1.15	1.25
Ethyl Acetate, pure, 5 lb bot	.45	.50
Benzate, 5 lb bot	1.75	1.90
Butyrate, 5 lb bot	2.00	2.20
Caproate, 1 lb bot	3.25	3.50
Cinnamate, 1 lb bot	4.00	4.50
Formate, 5 lb bot	1.00	1.25
Ethyl-methyl Paracresol, 1 lb bot	3.25	3.50
Ethyl Phenylacetate, 5 lb bot	3.75	4.00
Propionate, 1 lb bot	2.00	2.25
Valerate, 5 lb bot		3.75
Salicylate, 5 lb bot	2.00	2.10
Formic Ether, See Ethyl Formate		
Geranyl Acetate, 1 lb bot	4.50	5.00
Butyrate, 1 lb bot	13.00	13.50
Formate, 1 lb bot	12.00	12.50
Hellotropin, dom., 100-10 lb	1.65	1.75
Imported	2.00	2.25
Hydroxyacetone, 1 lb bot	10.00	12.00
Indol, C.P. 1 oz bot	3.50	4.00
Isonone, 1 lb bot. 100%	6.75	7.00
Alpha	7.50	10.00
Beta	8.00	8.50
Methyl	9.50	10.00
iso-Butyl Benzoate 5 lb bot	2.75	3.00

Iso-Safrol 1 lb bot imp.	2.00	2.50
Domestic 5 lb bot	3.50	3.75
Linalyl Acetate, 1 lb bot	8.00	9.50
Benzoate, 1 lb bot	13.00	14.00
Formate, 5 lb bot	10.50	12.00
Methyl Acetophenone		4.25
ANTHRANILATE dom., 1 lb bot	2.50	3.25
Imported	2.50	3.00
Benzoate, 5 lb bot import	2.00	2.25
Domestic, 5 lb bot	1.75	2.00
Cinnamate, 1 lb bot	3.75	4.25
Heptenone, 1 lb bot	8.50	9.00
Paracresol, 1 lb bot	8.00	9.00
Phenylacetate 5 lb bot dom	3.75	4.00
SALICYLATE, USP, 500 lb		
drums		.35
50 lb cases		.37
Mirbane, rect., 1,000 lb drums	.14	.15
Musk Ambrette, 1 lb cans	7.50	8.00
Ketone, 1 lb cans	9.00	10.00
Xylene 5 lb cans	2.65	2.70
Nerolin, 1 lb cans	1.50	1.60
Oenanthal Ether, 1 lb bot	2.25	2.30
ara-Tymene, rect., 110 gal drs gal	2.25	2.50
"benzylacetaldehyde, Dom.,		
1 lb. bot 50 pe	8.00	8.50
Imported, 50 p.c.	7.00	7.50
80-85 pe	13.00	15.00
Phenylacetic Acid, 1 lb bot	3.00	3.25
Phenyl Disacetate, 1 oz bot	3.25	3.50
1 lb bot	8.00	10.00
Imported	7.00	7.75
Phenylethyl Alcohol, 1 lb bot	5.30	6.00
Phenylethyl Butyrate 1 lb bot		18.00
Formate, 1 lb bot	19.00	21.00
Propionate, 1 lb bot		18.00
Valerate, 1 lb bot		20.00
Phenylpropylalcohol, 1 lb bot	15.00	16.00
Skatol, 1 oz bot	4.50	7.00
Terpinyl Acetate 25 lb cans	1.25	1.35
Imported, 25 lb cans	1.25	1.35

TERPINEOL, CP., 1000 lb dr	.30	.32
Cans, 50 lb	.32	.35
Absolute, 25 lb cans	.50	.60
Imported, 25 lb cans	.36	.38
VANILLIN, USP, 500 oz cans	.49	.51
Cans, 16 oz., 80 oz	.50	.51
Second Hands	.45	.48
Valerianic Ether, See Ethyl Valerate		
Yara Yara, 1 lb cans	1.50	1.60
PERFUMERS' SUNDRIES		
Almond Meal, 25 lb cans	.25	.28
Amber, liquid 400 lb drs	2.20	2.30
Ambergris, black lvs	18.00	20.00
Uray lvs	30.00	35.00
Balsam Copaiba, Para, 80 lb cases	.42	.46
South American, 80 lb cases	.47	.49
Peru, 120 lb cases	1.80	1.90
Tolu, 90 lb cases	1.15	1.20
Benzoin Gum, Siam, lvs	1.10	1.45
Castoreum, 1 lb bot	12.00	nom.
Chalk, precip., light, 175 lb bbls	.04	.05
Cherry Laurel Water, 5 gal cans gal	1.15	1.25
Civet Abyssin horns	2.10	2.25
Ladbanum, 5 lb bot	7.50	8.00
Lanolin hydrous, 350 lb bbls	.15	.21
Anhydrous, 350 lb bbls	.18	.23
Musk pods, Carbadine, tins		
Tonquin, tins	24.00	26.00
Grains, Cabardine, tins		
Tonquin, tins	36.00	44.00
Synthetic, See Aromatic Chemicals		
Orris Rt., Flor., powd bbls	.12	.13
Verona, powd. bbls	.10	.11
Petrolatum, snow white 350 lb bbls	.12	.13
Light Amber, 350 lb bbls	.04	.04
Rice Starch, 140 lb bgs	.09	.10
Rose Water, 6 2-3 gal chys	1.00	1.25
Sandalwood chips, powd., bags		.75
Saponin, 5 lb tins	1.15	1.30
Talc., Italian 220 lb bgs	60.00	80.00
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AGAR AGAR—10 bls., T M Duche & Sons, Kobe; 40 bls., Shima Trdg Co., Kobe.

ALBUMEN—50 cs., Olivier Produce Corp., Shanghai; 5% cs., Jardine Matheson & Co., Shanghai; Blood, 10 cks., A Klipstein & Co., Hamburg.

ALCOHOL—Denatured, 50 brls., C Esteve, San Juan.

ALOES—106 cs., De Sola Bros & Pardo, Curacao.

AMMONIUM—Muriate, 91 cks., Seaboard Nat Bank, Rotterdam; 100 cks., Kuttroff Pickhardt & Co., Rotterdam; 25 cs., C De P Field Co., Bristol.

ANTIMONY—200 cs., Wah Chang Trdg Corp., Hankow; 500 cs., C Gitlan, Hankow; 10 cks., Roessler & Hasslacher Chem Co., Hamburg; Oxide, 100 bgs., Wah Chang Trdg Corp., Shanghai; Regulus, 250 cs., W R Grace & Co., Shanghai.

ARGOLS—33 bgs., Tartar Chem Works, Naples.

ARSENIC—50 brls., Order, Antwerp; Metallic, 60 drs., Central Union Trust Co., Hamburg.

BALSAM—18 cs., Nat City Bank, Ceara; 30 cs., Dodge & Olcott Co., Ceara.

BARIUM—Nitrate, 73 cks., Amer Exch Pacific Nat Bank, Hamburg.

BARKS—51 bgs., J L Hopkins & Co., Ham-

burg; Buckthorn, 123 bls., Chase Nat Bank, Hamburg; Cinchona, 247 bls., Order, Rotterdam; Wattle, 2,992 bgs., Tannin Corp., Durban; 1,112 bgs., E J Haley Inc., Durban; 1,150 bgs., Standard Bank of So America, Durban; 1,054 bgs., Order, Durban.

BARYTES—309 bgs., Roessler & Hasslacher Chem Co., Rotterdam.

BONE MEAL—321 bgs., H J Baker & Bro., Hamburg; Bone Dust, 300 bgs., Order, Hamburg.

BROMINE CHLORIDE—1 cse., Amer Exp Co., Hamburg.

CALCIUM—Carbide, 200 drs., Lunham & Reeve, Hamburg; 352 drs., Order, Hamburg; Ferro Cyanide, 6 cks., Order, Hamburg.

CALOMEL—10 cs., H J Baker & Bro., London.

CASEIN—534 bgs., Amer Exch Pacific Nat Bank, Buenos Aires; 2,904 bgs., Bank of N Y & Trust Co., Buenos Aires; 1,219 bgs., Bank of America, Buenos Aires; 1,784 bgs., Lee Higginson & Co., Buenos Aires; 1,734 bgs., Order, Buenos Aires; 8,084 bgs., Kalb Fleisch Corp., Buenos Aires.

CHALK—500 bgs., Amer Exch Pacific Nat Bank, Antwerp; 250 bgs., Order, Antwerp; 467 bgs., Irving Bank, Columbia Trust Co., Hamburg; 650 bgs., Nat City Bank, Antwerp; Precipitated, 250 bgs., 100 cks., X J & E Sturgi, Ltd., Bristol; 17 cks., Schiefelin & Co., Bristol; 200 bgs., H J Baker & Bro., Bristol.

CHEMICALS—50 cks., I M Sobin Co., Rotterdam; 350 cks., 50 balloons, Roessler & Hasslacher Chem Co., Rotterdam; 27 cs., Merck & Co., Rotterdam; 5 cs., Pfaltz & Bauer, Rotterdam; 200 brls., Order, Rotterdam; 20 cs., N Y Quinine & Chem Works, Hamburg; 22 cs., Kachurin Drug Co., Hamburg; 1 cse., Lo Curto & Funk, Hamburg;

10 brls., Dissosway Chem Co., Hamburg; 6 cs., Eimer & Amend, Hamburg; 23 pgs., Pfaltz & Bauer, Hamburg; 13 cs., Amer Kreuger & Toll Corp., Hamburg; 3 cs., Heyden Chem Corp., Hamburg; 109 drs., J L Philippea, Hamburg; 263 cks., Order, Antwerp; Compounds, 50 drs., Lo Curto & Funk, Hamburg; Products, 25 cs., State Fwdg & Shpg Co., Havre.

CINCHONIDINE—22 cs., R W Greeff & Co., Rotterdam.

CLAY—50 cks., Vesuvius Crucible Co., Rotterdam; 235 cks., Chatham & Phenix Nat Bank, Rotterdam; 235 cks., Milton Snedeker Corp., Rotterdam; China, 400 bgs., Milton Snedeker Corp., Hamburg.

COAL TAR DISTILLATE—60 drs., P Lechler Co., Rotterdam; Products, 4 cs., General Dyestuff Corp., Hamburg.

COLORS—38 cks., General Dyestuff Corp., Rotterdam; 13 cks., Amer Exch Pacific Nat Bank, Genoa; 11 brls., Order, Genoa; 9 pgs., Carbic Color & Chem Co., Havre; 61 cks., General Dyestuff Corp., Rotterdam; 10 cks., General Dyestuff Corp., Rotterdam; 4 cks., General Dyestuff Corp., Hamburg; 1 brl., Irving Bank, Columbia Trust Co., Antwerp; 2 brls., Chem Nat Bank, Antwerp; 6 brls., Bank of Manhattan Co., Antwerp; 8 brls., Nat City Bank, Antwerp; 7 brls., L B Fortner, Antwerp; 12 cks., Brown Bros & Co., Southampton; 4 cks., Nat City Bank, Antwerp; 8 brls., Bank of Manhattan Co., Antwerp; 5 brls., Nat City Bank, Antwerp; 10 brls., Irving Bank, Columbia Trust Co., Antwerp; Bronze Powder, 44 cs., Baer Bros, Hamburg; 15 cs., Phoenix Shpg Co., Hamburg; Coal Tar, 123 cks., General Dyestuff Corp., Rotterdam; Earth, 122 cks., Binnev & Smith, Rotterdam; 20 cks., Reichard Coulston, Rotterdam.

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EPSOM SALTS—150 brls., Order, Hamburg

ERGOT—14 bgs., Eli Lilly & Co., Rotterdam

ETHYL ACETO ACETATE—18 drs., Gallagher & Ascher, Hamburg

ETHYL CHLORIDE—14 cs., Hensel Bruckmann & Lorchacher, Hamburg

EUCALYPTUS—11 drs., Order, Melbourne

EXTRACTS—Mangrove Bark, 760 bgs., Order, Singapore; **Quebracho**, 2,010 bgs., Amer Exch Pacific Nat Bank, Buenos Aires; 17,206 bgs., Order, Buenos Aires

FLOWERS—Pyrethrum, 75 bls., Toledo Rex Spray Co., Kobe; 75 bls., J Powell & Co., Kobe

FULLERS EARTH—250 bgs., L A Salomon & Bro., Bristol

GALLNUTS—214 bgs., Determann & Co., Hankow

GELATINE—50 kegs, 53 brls., 1 cse., H A Sinclair, Rotterdam; 100 bgs., T W Dunn, Hamburg

GLAUBER SALTS—103 brls., E M Sergeant & Co., Hamburg; 375 brls., Seaboard Nat Bank, Hamburg

GLUE—70 bgs., W E Muller, Antwerp; 20 bgs., Rex & Reynolds, Marseilles; 9 bgs., S Isaacs & Co., Hamburg; 51 brls., W Miller, Antwerp; **Bone**, 400 bgs., Order, Rotterdam

GLUESTOCK—646 bls., International Acceptance Bank, Buenos Aires

GLYCERIN—60 drs., Order, Antwerp; 30 drs., Order, Hamburg; 10 drs., Brown Bros & Co., Antwerp; 30 drs., Order, Antwerp

GUMS—86 cs., W Schall & Co., Manila; 210 bgs., Baring Bros & Co., Singapore; 50 cs., Order, Singapore; **Anini**, 20 cs., S Winterhonne & Co., London; **Benzoin**, 35 cs., Brown Bros & Co., Singapore; 53 cs., Nat City Bank, Singapore; **Chicle**, 1,780 bgs., Chicle Develop Co., Vera Cruz; 887 sks., Mexican Exploitation Co., Vera Cruz; 87 bls., H Triest & Co., Belize; 418 bgs., Chem Nat Bank, Antwerp; 670 bgs., Nat City Bank, Antwerp; 283 bgs., Irving Bank, Columbia

Trust Co., Antwerp; 5 cs., 120 sks., Grace Nat Bank, Manila; 200 bgs., Grace Nat Bank, Manila; 100 bgs., W Schall & Co., Antwerp; 700 bgs., Irving Bank Columbia

Trust Co., Antwerp; 520 bgs., Order, Antwerp; 401 bkts., Gravenhorst & Co., Macassar; 190 bkts., 141 bgs., L C Gillespie & Co., Macassar; 440 bkts., Innes & Co., Macassar; 515 bgs., Order, Macassar; **Damar**, 4 cs., Nat Bank of Commerce, Bangkok; 20 cs., Kidder Peabody Acceptance Corp., Batavia; 100 cs., Chem Nat Bank, Batavia; 125 cs., United National Bank, Batavia; 100 cs., Innes & Co., Batavia; 100 cs., Kidder Peabody Acceptance Corp., Batavia; 50 cs., Sino Java Hvg., Batavia; 50 cs., J D Lewis, Batavia; 212 bkts., L C Gillespie & Co., Macassar; 82 cs., M L Van Norden, Macassar; **Elemi**, 133 cs., A Klipstein & Co., Manila; 38 cs., Brown Bros & Co., Manila; 264 cs., H Butler, Manila; 50 cs., Grace Nat Bank, Manila; **Kauri**, 60 cs., L C Gillespie & Sons, Auckland; **Sandarac**, 24 brls., J J Toledano & Co., Hamburg; **Tragacanth**, 84 bgs., Order, Hamburg; 20 cs., Order, Southampton; **Yacca**, 375 bgs., Baring Bros & Co., Port Adelaide; 245 bgs., Brown Bros & Co., Port Adelaide

HERBS—24 cs., F L Kraemer & Co., Rotterdam; 8 bls., Order, Hamburg; 5 bls., J L Hopkins & Co., Hamburg; 4 bls., E C Diez Drug Co., Hamburg

HOPS—48 ballots, J Sonnenschein Hop Co., Hamburg

IRON AMMONIUM OXALATE—20 drs., Order, Antwerp

IRON OXIDE—140 brls., C J Osborn & Co., Malaga; 300 brls., Smith Chem Co., Malaga; 250 brls., C K Williams & Co., Malaga

IRON PERCHLORIDE—18 brls., Order, Hamburg; Sulfate, 40 brls., W A Foster & Co., Hamburg

IRON SODA OXALATE—10 drs., Order, Antwerp

JUICES—Lemon, 40 brls., C Pfizer & Co., Messina; 200 brls., C Pfizer & Co., Palermo; Lime, 35 cs., J P Smith & Co., London; 4 cs., Park Benziger & Co., St Lucia; 5 cs., Perry Ryer & Co., St Lucia; 10 cs., Middleton & Co., St Lucia; 153 cs., Pacific South West Trust & Savings Bank, Martinique

LEAVES—Buchu, 13 bls., Allaire Woodward & Co., Capetown; **Euphorbia**, 84 bls., Order, Penang; **Patchouli**, 38 bls., Brown Bros & Co., Penang; **Senna**, 69 bls., Order, Penang; **Stramonium**, 57 bls., Order, Leghorn

LEUNASALPETRE—2,268 bgs., Kuttroff Pickhardt & Co., Rotterdam

LIME—Citrate, 176 cs., Order, Messina

LITHOPONE—1,000 cs., Benj Moore & Co., Rotterdam; 20 cs., P Uhlich & Co., Rotterdam; 25 cs., E M & F Waldo, Antwerp; 20 cs., E M & F Waldo, Antwerp

LYCOPodium—6 cs., K. K. Hurin Drug Co., Hamburg; 20 cs., Amtorg Trdg Corp., Hamburg

MAGNESIUM—Chloride, 87 drs., Innis Speiden & Co., Hamburg; 148 drs., Nat Bank of Commerce, Hamburg; 177 drs., Order, Hamburg

MANNA—10 cs., G Porribechi, Palermo; 20 cs., Order, Palermo

MEDICINALS—50 cs., J Personeni, Genoa; 40 cs., J Personeni, Leghorn

MONTAN WAX PITCH—1,800 bgs., Strohmeyer & Arpe Co., Hamburg

MYROBALANS—4,800 pkts., National City Bank, Calcutta

OILS—Coconut, 203 cylinders, Order, Colombo; **Linseed**, 125 drs., W Van Doorn, Rotterdam; **Olive**, 100 drs., Nat City Bank, Malaga; 300 drs., Rhode Island Hospital & Trust Co., Malaga; 100 brls., Lazzard Freres, Malaga; 100 drs., Irving Bank Columbia

Trust Co., Malaga; 100 brls., Ital Discount & Trust Co., Malaga; 100 brls., 315 cs., 95 drs., Order, Malaga; 150 cs., B Bendin, Genoa; 106 cs., Webster & Atlas Nat Bank, Marseilles; 1,000 cs., F Romeo & Co., Leghorn; 125 cs., Order, Leghorn; 150 cs., Satz Wholesale Grocery Co., Leghorn; 310 cs., Petrocelli & Co., Genoa; 100 cs., G Sasso & Sons, Genoa; 100 cs., L Michele, Genoa; 100 cs., D Mariano & Co., Genoa; 300 cs., Scaramelli Bianco, Genoa; 1,000 cs., F Romeo & Co., Leghorn; **Peanut**, 30 cs., Yat Gaw Min, Hongkong; **Perilla**, 159 brls., Balfour Williamson & Co., Dairen; 4,000 cs., Mitsui & Co., Kobe; 330 drs., Mitsui Bussan Kaisha, Kobe; **Petit Grain**, 25 cs., W R Grace & Co., Buenos Aires; **Rapeseed**, 150 drs., Mitsui Bussan Kaisha, Kobe; **Sesame**, 53 drs., J C Francesconi & Co., Rotterdam; **Sperm**, 50 brls., Order, Glasgow; **Sulphur**, 406 brls., Webster & Atlas Nat Bank, Catania; **Wood**, 30 cs., F B Ross, Singapore; 550 tons, W G Smith & Co., Shanghai

OILS—ESSENTIAL, 3 drs., Order, Malaga; 2 drs., Lanman & Kemp, Marseilles; 30 cs., Order, Messina; 24 drs., Order, Batavia; 3 drs., Bank of America, Batavia; **Almond**, 5 drs., Order, Malaga; 10 cs., Ungerer & Co., London; **Bay**, 12 cs., R Moellhausen St Lucia; 9 cs., 1 drum, Order, Martinique; 4 cs., R Moellhausen, Guadeloupe; **Cassia**, 10 drs., Equit Trust Co., Hongkong; 5 drs., Fritzsche Bros, Hongkong; 5 drs., Brown Bros & Co., Hongkong; 15 drs., Order, Hongkong; **Cinnamon**, 1 drum, Order, Colombo; 2 drs., Baring Bros & Co., Penang; 6 drs., Order, Penang; **Citronella**, 8 drs., P H Petry & Co., Batavia; 10 drs., Brown Bros & Co., Colombo; 8 drs., Order, Colombo; 33 drs., Order, Penang; **Lemon**, 70 cs., Irving Bank Columbia Trust Co., Messina; 20 cs., F Moschella, Messina; 23 cs., Dodge & Olcott, Messina; **Lime**, 1 cse., Perry Ryer & Co., St Lucia; 1 cse., Order, St Lucia; 1 cse., R Desvernine, Martinique; 4 cs., Order, Martinique; 1 cse., Dodge & Olcott, Antigua; **Orange**, 5 cs., Irving Bank Columbia Trust Co., Messina; 60 cs., W J Bush & Co., Messina; 3 cs., Order, Messina; 45 cs., Order, Kingston; **Patchouli**, 1 drum, Dodge & Olcott, Rotterdam; **Sandalwood**, 20 cs., Norton Lilly & Co., Singapore

PHARMACEUTICAL PRODUCTS—30 cs., 30 cs., H A Metz, Rotterdam; 10 cs., H A Metz, Rotterdam

PHOSPHOR ACID ANHYDRIDE—5 cs., Jungmann & Co., Hamburg

PLUMBAGO—182 bgs., Order, Colombo; 506 bgs., Brown Bros & Co., Penang

POTASSIUM SALTS—63 cs., Roessler & Haselacher Chem Co., Hamburg; 30 cs., A Klipstein & Co., Hamburg; **Binoxalate**, 20 cs., R W Greiff & Co., Rotterdam; **Caustic**, 165 brls., 125 bgs., Innis Speiden

& Co., Rotterdam; 50 drs., A Klipstein & Co., Hamburg; **Chlorate**, 2,900 cs., Uniform Chem Products Co., Hamburg; **Cyanide**, 68 cs., Roessler & Haselacher Chem Co., Hamburg; **Hydrocarbonate**, 98 cs., Brown Bros & Co., Hamburg; **Muriate**, 500 bgs., Potash Imp't Corp of America, Hamburg; 1,950 bgs., Societe Comm des Potasses d'Alsace, Antwerp; **Nitrate**, 1,016 bgs., Kuttroff Pickhardt & Co., Hamburg; **Pemanganate**, 200 drs., Roessler & Haselacher Chem Co., Rotterdam; **Sulfate**, 4 cs., Order, Hamburg

PUMICE STONE—Lump, 1,725 bgs., K F Griffiths & Co., Canneto Lipari; 432 bgs., C B Chrystal & Co., Canneto Lipari; 10,712 bgs., 28 cs., J H Rhodes & Co., Canneto Lipari; 340 bgs., Order, Canneto Lipari; **Powdered**, 400 bgs., Whittaker Clark & Daniels, Canneto Lipari; 300 bgs., C B Chrystal & Co., Canneto Lipari; 292 bgs., Gallagher & Ascher, Canneto Lipari

PYRIDINE—27 drs., Order, Hamburg

QUICKSILVER—500 flasks, Order, Leghorn; 100 bottles, Lo Curto & Funk, Alicante; 100 bottles, H W Pesbody & Co., Alicante

QUINOIDINE—2 cs., R W Greiff & Co., Rotterdam

ROCHELLE SALTS—33 cs., Garfield & Co., Hamburg

ROOTS—57 bls., S B Penick & Co., Hamburg; **Arrow**, 25 brls., Middleton & Co., St. Vincent; 12 brls., Ortelero Corp., St. Vincent; 150 brls., Park Benziger & Co., St. Vincent; 35 brls., Barclays Bank St. Vincent; 484 brls., Order, St. Vincent; **Broom**, 6 bls., H Triest & Co., Vera Cruz; **Jalapa**, 9 bgs., H Triest & Co., Vera Cruz; **Orris**, 52 bgs., Order, Leghorn; 24 bgs., 1 cse., Allaire Woodward & Co., Leghorn; 52 bgs., Order, Leghorn; **Sarsaparilla**, 9 bls., Atlantic Transport Line, Cristobal

SAFFRON—1 pce., Order, Malaga; 1 cse., S R Penick & Co., Alicante; 11 bls., Order, Vera Cruz

SAL AMMONIAC—80 cs., Philipp Bauer Inc., Rotterdam

SEED—Alfalfa, 200 bgs., Nat City Bank, Buenos Aires; **Canary**, 392 bgs., W Schall & Co., Buenos Aires; 2,001 bgs., Order, Buenos Aires; **Caraway**, 100 bgs., Archibald & Lewis, Rotterdam; 100 bgs., R L Friedler, Rotterdam; **Cardamom**, 22 cs., A Joenson Co., Southampton; **Coriander**, 1,164 bgs., Amtorg Trdg Corp., Hamburg; **Flax**, 3,190,117 kilos, Order, Rosario; 13,615 bgs., 301,236 kilos, Order, San Nicholas; 6,516 bgs., 235,345 kilos, Order, Buenos Aires; 26,089 bgs., L Dreyfus & Co., Diamante; 16,695 bgs., Order, Buenos Aires; **Poppo**, 150 bgs., R J Ireland Jr. & Co., Rotterdam; 100 bgs., C E Armstrong, Rotterdam; 650 bgs., Cats Amer Co., Rotterdam; 150 bgs., Hardick Dean & Co., Rotterdam; 100 bgs., Jaburg Bros., Rotterdam; 100 bgs., Order, Rotterdam

SHELLAC—5 cs., Carleton & Moffat, Hamburg; 200 bgs., Relli Bros., Hamburg; cs., A Hurst & Co., Hamburg; 50 bags, Brown Bros & Co., Calcutta; 300 bgs., Anglo So Amer Bank, Calcutta; 650 bgs., 50 cs., Order, Calcutta; **Garnet Lac**, 350 bgs., Brown Bros & Co., Calcutta; 50 bgs., Order, Calcutta

SOAP—800 cs., Order, Rotterdam

SODIUM SALTS—36 drs., Superios Co., Hamburg; **Bisulfite**, 100 drs., Order, Antwerp; 5 drs., Jungmann & Co., Hamburg; **Cyanure**, 442 cans, Anglo So Amer Trust Co., Havre; **Ferro Cyanide**, 22 cs., E Dietzen Co., Rotterdam; **Fluoride**, 36 cs., H A Metz, Rotterdam; **Hydrosulfite**, 35 cs., H A Metz, Rotterdam; **Nitrate**, 5,434 bgs., Kuttroff Pickhardt & Co., Rotterdam; 3,986 bgs., E I duPont de Nemours Co., Iquique; 6,631 bgs., A Gibbs & Co., Iquique; **Nitrite**, 252 cs., Kuttroff Pickhardt & Co., Rotterdam; **Prussiate**, 15 cs., Order, Rotterdam; **Silico Fluoride**, 100 cs., H Sundheimer Inc., Rotterdam; **Sulfate**, 100 cs., Order, Rotterdam; **Sulfite**, 30 drs., F Rudloff, Hamburg; **Sulfhydrate**, 287 drs., Tibhaze Artif Silk Co., Rotterdam; **Thiosulfate**, 2 cs., Johnson & Sons, London

SPONGES—54 bls., Lasker & Bernstein, Havana; 80 bls., J H Rhodes & Co., Havana; 56 bls., J J Bloch Inc., Havana; 23 pgs., Order, Havana; **Clips**, 100 bls., Lasker & Bernstein, Havana

SULFUR—7 cs., McKesson & Robbins, Bristol

SUMAC—1,114 bgs., Order, Palermo

TALC—200 bgs., Kountze Bros., Genoa; 950 bgs., C Mathieu, Genoa

TAPIOCA—Flour, 542 bgs., Kian Gwan Handels My, Sourabaya; Pearl, 373 bgs., Order, Penang

TEA WASTE—1,676 bgs., Maywood Chemical Works, Calcutta

THALLIUM SULFATE—4 bottles, Bayer Co., Rotterdam

THEOPHYLLIN—1 ck., Winthro Chem Co., Rotterdam

UREA—75 cks., Kuttroff Pickhardt & Co., Rotterdam

VANILLA BEANS—52 cs., Royal Bank of Canada, Guadeloupe; 35 cs., B Lovernier, Guadeloupe; 299 cs., Order, Guadeloupe

WAX—50 bgs., W. Schall & Co., Havre; 40 cs., Chem Nat Bank, Havre; Bees, 28 bgs., Order, Leghorn; 58 bbs., C S Spence, Rotterdam; 50 bgs., Order, Havana; Carnauba, 476 bgs., J H Rosbach & Bros., Parnahyba; 125 bgs., Bank of London & So America, Parnahyba; 556 bgs., Nat City Bank, Parnahyba; 102 bgs., Nat Bank of Commerce, Ceara; 329 bgs., Order, Ceara; 112 bgs., Duncan Hood & Co., Para; 193 bgs., J Munroe & Co., Para; 56 bgs., Seaboard Nat Bank, Para; 260 bgs., Lazard Freres, Para; 726 bgs., Order, Para; Montan, 1,125 bgs., Strohmeyer & Arpe Co., Hamburg

WOODFLOUR—500 bbs., Order, Rotterdam; 895 bgs., Order, Hango, 400 bgs., A Kramer & Co., Rotterdam; 2,900 bgs., B L Sobercki, Rotterdam

WOOD TAR—283 bbs., Nat Bank of Commerce, Hamburg; Birch Tar, 10 bbs., Parke Davis & Co., Hamburg; 13 bbs., White Sea & Baltic Co., Hamburg

WOOL GREASE—70 bbs., J J Shore & Co., Hamburg; 100 bbs., Philipp Bauer & Co., Hamburg

ZINC—Ammonium Chloride, 105 cks., International Acceptance Bank, Rotterdam; Butyrate, 1 ck., H A Metz & Co., Rotterdam; Chloride, 10 drs., International Acceptance Bank, Rotterdam; 71 cks., Roessler & Hasslacher Chem Co., Hamburg

IMPORTS AT PHILADELPHIA

April 7 to 14

ACID—Formic, 209 balloons, R W Greeff & Co., Rotterdam; 208 balloons, R W Greeff & Co., Rotterdam; Prussiate, 55 casks, C Tennant & Sons, Rotterdam; Cresylic, 109 bgs., Order, Rotterdam

ALCOHOL—Menthyl, 43 drums, Order, Rotterdam

AMMONIA—Muriate, 250 casks, Order, Rotterdam

ANISEED—25 bags, Order, Malaga

ANTIMONY—1,977 Ingots, Order, Antwerp

ARSENIC—120 bbs., Order, Antwerp

BARIUM—Chloride, 65 casks, Guaranty T Co., Antwerp; 52 casks, Order, Antwerp

BARITES—1,000,000 kilos, Guaranty Trust Co., Rotterdam

BLOOD—847 bags, H J Baker & Bro., Buenos Aires; 2,333 bags, Order, Buenos Aires

BLUE CLAY—150 tons, J W Hampton Co., London; 100 tons, Joshan Poole, London

BONE MEAL—1 bag, Order, Buenos Aires

CARDAMOMS—3 cases, Order, London

CASEIN—834 bags, Lee Higginson & Co., Buenos Aires

CHALK—700 bags, Canham & Phoenix Nat Bank, Antwerp

CHEMICALS—80 drums, Roessler & Hasslacher Chem Co., Rotterdam

CUTTLEFISH BONES—21 bds., Order, Bordeaux

EARTH—80 bbs., Order, Leghorn

FISH SCRAP—1,616 bags, H J Baker & Bro., Buenos Aires

FLUORSPAR—1,217 tons, 17 cwt, Shima Co., Middlesboro; 511 tons, 2 cwt., Order, Middlesboro

GLYCERIN—Dynamite, 210 casks, Hercules Powder Co., Rotterdam; 109 drums, Order, Rotterdam; 52 drums, Order, Rotterdam; Crude, 21 drums, Harshaw, Fuller & Goodwin, Antwerp; 20 drums, Harshaw, Fuller & Goodwin, Antwerp; 46 drums, Order, Bordeaux; 10 drums, Order, St Nazaire

GUM—Asafetida, 14 cases, Order, London; Damar, 128 bags, Franklin 4th St Nat Bk., Singapore

IRON ALLOY—134 bags, Truempy, Faesy & Beshoff, Genoa

MANGANESE—68 casks, Harshaw, Fuller & Goodwin, Rotterdam; 57 bags, Harshaw, Fuller & Goodwin, Rotterdam

MAGNESIA—22 cases, Hance Bros & White, Middlesboro

OIL—Olive, 110 cases, Order, Leghorn; 75 cases, Briones Co., Seville; Sulfur Olive, 50 bbs., Bowery & East River Nat Bank,

Valencia; 50 bbs., Bowery & East River Nat Bank, Alicante; 300 bbs., Bowery & East River Nat Bank, Malaga; 100 bbs., Phila Girard Nat Bank, Malaga; 100 bbs., Frank & 4th St Nat Bank, Palermo; 200 bbs., Phila Girard Nat Bank, Palermo; 100 bbs., Order, Palermo

OIL—Palm Kernel, 70 casks, Order, Rotterdam; Rape, 75 bbs., Order, Hull; Rape Seed, 75 bbs., Order, Hull; Cod Liver, John C Baker Co., Stavanger

ORE—Manganese, 500 tons, Order, Ponce

POTASH—Muriate, 1,400 bags, Soc Comm des Potasses d'Alsace, Antwerp

PYRIDINE—14 drums, Baldwin Universal Co., Rotterdam

QUEBRACHO EXTRACT—505 bags, Leas & McVitty, Inc., Buenos Aires

ROOT—Licorice, 2,480 bbs., Order, Smyrna

SADDLE SOAP—1 cask, Martin & Martin, London

SHELLAC—1,495 bags, Order, Calcutta

SODIUM—Bisulfide, 25 drums, Harshaw, Fuller & Goodwin, Antwerp; Muriate, 21 cs., Order, Antwerp; Sulfide, 300 drums, Order, Antwerp; Nitrate, 1,540 bags, R W Greeff Co., Hurum; 6,151 bags, Anthony Gibbs & Co., Caleta Buena; 78,755 bags, Anthony Gibbs & Co., Caleta Buena

SILICON CARBIDE—163 casks, C J Brookhardt, Hurum

STARCH—Potato, 300 bags, Order, Rotterdam

SUMAC—350 bags, Drueding Bros., Palermo

WITHERITE—305 tons, 12 cwt., Foote Mineral Co., Middlesboro; 110 tons, 3 cwt., Foote Mineral Co., Middlesboro

IMPORTS AT BALTIMORE

April 8 to 15 inclusive

BARK—44 bags, John S Connor, Crefeld, Bremen

ACID—Cresylic, 34 drums, 36,991 lbs., Baltimore & Ohio railroad, Belhaven, Liverpool

ASPHALT—2,006 tons, Central Commercial Co., August Thyssen, Tarafa

BONE—Crushed, 3,142 tons, F H Shal's Co., Penelope, Santa Fe Artigiani; Meal, 500 bgs., F H Shal's Co., Crofton Hall, Liverpool

CHEMICALS, 500 bags, Roessler & Hasslacher Chemical Co., Crefeld, Bremen; 1,500 bags, Paul Uhlich & Co., Maryland, Rotterdam

CLAY—100 casks, Roessler & Hasslacher Chemical Co., Maryland, Rotterdam; 400 casks, F H Shal's Co., Crefeld, Bremen; Burnt, 210 sacks, 15 tons, H A Robinson & Co., Belhaven, Liverpool

FERTILIZER—2,940 bags, 100 tons, J H Cottman & Co., Vadulia, London

FLUORSPAR—156 tons, Shimer & Co., Inc., Manchester Commerce, Manchester; 228 tons, W R Grace & Co., Colleda, Manchester

FULLER'S EARTH—100 bags, Order, Crefeld, Bremen

GELATIN—60 bales, 9,240 lbs., M S Levy & Sons, City of St Joseph, Marseilles

GLUE—179 bags, Baltimore & Ohio railroad, Crofton Hall, Liverpool

MINERAL WHITE—250 bags, Whittaker, Clark & Daniels, Manchester Commerce, Manchester

OIL—Cod Liver, 25 cases, H J Baker & Bro., Maryland, Rotterdam; Harlem, 25 cases, William H Masson, Maryland, Rotterdam; Lemon, 25 boxes, William H Masson, City of St Joseph, Marseilles; Lubricating, 11 bbs., 5,150 lbs., William H Masson, Vadulia, London; Olive, 2 drums, Pompeian-Romanza Co., City of St Joseph, Marseilles; 93 drums, Pompeian-Romanza Co., City of St Joseph, Marseilles; 934 casks, Pompeian-Romanza Co., City of St Joseph, Marseilles

ORE—Chrome, 2,000 tons, Cuban Industrial Ore Co., Sheffield, Nuevitas; Iron, 20,000 tons, Bethlehem Steel Corp., Steelore, Cruz Grande; 7,700 tons, Bethlehem Steel Corp., Pengreep, Felton, Cuba; 11,000 tons, Bethlehem Steel Corp., Santore, Daiquiri; Manganes, 7,050 tons, United States Steel Products Co., Mistle Hall, Rio de Janeiro; 8,547 tons, Bethlehem Steel Corp., Haggerogate, Poti; 6,001, Terminal Shipping Co., Badagry, Opepo; 8,100 tons, W F Spice & Co., Adamello, Poti; 2,000 tons, Carnegie Steel Co., Chattanooga City, Calcutta

PEAT MULL—50 bales, Atkins & Durbrow, Crefeld, Bremen

PEPPER—300 bags, McCormick & Co., Maryland, Rotterdam; 163 bags, William H Masson, Maryland, Rotterdam

PITCH—60 bbs., Order, Manchester Commerce, Manchester

PLASTER PARIS—400 bags, Samuel Shapiro & Co., Crefeld, Bremen; Stucco, 300 bags, Samuel Shapiro, Crefeld, Bremen

POTASH—Chlorine, 3,889 bags, 776,182 lbs., F H Shal's Co., Indiana, Dunkirk; Kainit, 1,000 bags, 100 tons, Potash Importing Corp., Crefeld, Bremen; 200,200 lbs., F H Shal's Co., Crefeld, Bremen; 509,630 lbs., Potash Importing Corp., Crefeld, Bremen; 330,000 lbs., F H Shal's Co., Indiana, Dunkirk; 1,000 bags, 402,644 lbs., F H Shal's Co., Crefeld, Bremen; 509,650 lbs., Potash Importing Corp., Crefeld, Bremen; 300 bags, Potash Importing Corp., Crefeld, Bremen; 101,070 lbs., Potash Importing Corp., Crefeld, Bremen; Manure Salt, 100 tons, Potash Importing Corp., Crefeld, Bremen; 200 tons, F H Shal's Co., Crefeld, Bremen; 200,200 lbs., F H Shal's Co., Indiana, Dunkirk; 2,687,018 lbs., Potash Importing Corporation; Muriate, 500 bags, F H Shal's Co., Crefeld, Bremen; 10,000 bags, F H Shal's Co., Crefeld, Bremen; 250 bags, Potash Importing Corp., Crefeld, Bremen; 3,000 bags, F H Shal's Co., Crefeld, Bremen; 3,000 bags, Potash Importing Corp., Crefeld, Bremen; 3,000 bags, Potash Importing Corp., Crefeld, Bremen; 10,500 bags, F H Shal's Co., Maryland, Antwerp; Sulfate, 1,000 bags, Potash Importing Corp., Crefeld, Bremen; 500 bags, Potash Importing Corp., Crefeld, Bremen; 2,000 bags, F H Shal's Co., Crefeld, Bremen

SADDLE SOAP—2 casks, William H Masson, Vadulia, London; 33 cases, Little Joe, Vadulia, London

SEED—Mustard, 150 bags, Baltimore & Ohio railroad, Maryland, Rotterdam

SODA—Nitrate, 27,679 bags, William R Grace & Co., Curaca, Meijllones; 13,653 bags, William R Grace & Co., Curaca, Tocojillo

TUMERIC—66 bags, Order, Crofton Hall, Liverpool

WITHERITE—Artificial, 1,900 bags, Harshaw, Fuller & Goodwin Co., Maryland, Rotterdam

ZINC CHLORIDE—72 casks, F H Shal's Co., Maryland, Rotterdam

IMPORTS AT SAN FRANCISCO

April 3 to 10

ACID—35 drums, Order, London; Cresylic, Order, London

ALUM—34 bbs., Balfour, Guthrie & Co., Liverpool

BARITES—250 bags, Braun, Knecht, Heimann Co., Hamburg; 55 casks, Order, Hamburg

CALCIUM—Chloride, 332 drums, Meyer, Wilson & Co., Liverpool

CHEMICALS—45 cases, Braun, Knecht, Heimann Co., Hamburg; 8 casks, Order, Hamburg

EPSOM SALTS—150 bags, Order, Hamburg

EXTRACT—Quebracho, 4,062 bags, First National Bank of Boston, Buenos Aires

FLUORSPAR—51 tons, Balfour, Guthrie & Co., Tyne

FULLER'S EARTH—500 bags, Fred H Higbie Supply Co., London; 220 bags, Balfour, Guthrie & Co., London

GAMBIER—510 cases, J. D. Spreckels, Singapore

IRON OXIDE—75 bags, E M & F Waldo, Inc., Liverpool

LINSEED—17,942 bags, Pacific National Bk., Buenos Aires; 6,549 bags, Order, Buenos Aires

OILS—Cod, 20 bbs., Raymond Co., Rotterdam; 20 bbs., Raymond Co., Antwerp

Olive, 110 cases, Order, Hamburg

Peanut, 80 cases, Suey Lee, Hongkong

Perilla, 660 drums, S L Jones & Co., Osaka; 120 drums, Pacific Orient Co., Osaka; Sesame, 25 drums, S L Jones & Co., Rotterdam

SEED—18 bags, Hort, Shenson & Sciaroni, Rotterdam; Bird, 10 sacks, T E Woodhull, Liverpool; Clover, 100 bags, Vincent Seed Co., Hamburg

SPICES—Pepper, 300 bags, Order, Antwerp

TANKAGE—1,080 bags, Order, Buenos Aires; 740 bags, H J Baker & Bro., Buenos Aires; 230,899 lbs., Bank of California, N. A. Buenos Aires

WHITING—1,000 bags, Balfour, Guthrie & Co., Hamburg; 225 bbs., East Asiatic Co., Hamburg

IMPORTS AT NEW ORLEANS

April 9 to 16

BAUXITE—2,953 tons, Republic Mining Co., Paramaribo

CHICORY—50 bags, Order, Amsterdam

CASEIN—334 bags, Order, Buenos Aires
 CALCIUM CARBIDE—553 drums, Order, Hamburg
 CHALK—400 bags, Order, Havre
 IRON OXIDE—105 bbls., Order, Barcelona
 LINSEED—17,701 bags, Order, Buenos Aires
 MOLASSES—1,242,621 gallons, American Sugar Mfg Co., Manzanillo; 2,113,997 gallons, Kentucky Alcohol Co., Havana
 POTASH MURIATE—168 bags, Order, Antwerp

RFSIN—183 bbls., Order, Port Cabezas
 SYLVINITE—800 bags, Order, Havre

IMPORTS AT BOSTON

April 10 to 17

CHALK—500 tons, Russia Cement Co., Hamburg
 DEXTRINE—100 bgs, Stein Hall & Co., Copenhagen
 GAMBLER—263 bbls., Order, Singapore

GLAUBER SALTS—500 bags, R & H Chemical Co., Hamburg; 50 cks., R & H Chemical Co., Hamburg; 127 bbls., Brown Bros., Hamburg
 POTASH—50 cks., R & H Chemical Co., Hamburg
 SHELLAC—50 bgs., Baring Bros., Calcutta, 50 bgs., Order, Calcutta
 SODIUM—Nitrite, 40 cks., R W Greeff Co., Copenhagen

GERMAN EXPORTERS IN KEEN COMPETITION

Drug and chemical exporters and brokers in the Hamburg stock markets have been operating under extremely strained relations with each other for some time past, according to "Chemist & Druggist." In consequence of the considerable contraction in the volume of business transacted there is keen competition for orders. The exporters complain that they are losing business on account of the brokers who keep in direct touch with customers abroad and also in Germany.

It is claimed that the German chemical works appointed representatives abroad, and at the same time foreign manufacturers and wholesalers appointed representatives in Germany, particularly in Hamburg, to act in their behalf as buyers and sellers. These representatives of foreign firms were practically compelled to avail themselves of the services of brokers, who undertake the actual purchases or sales on the Hamburg market. The limited scope of these transactions induced them to extend their business operations further afield, chiefly in the countries adjoining Germany, with the result that in time these firms built up an extensive international connection. This competition is naturally resented by many local dealers and exporters, and to combat it they have again opened a campaign against brokers and others associated with them in which they have succeeded in gaining the assistance of the Hamburg Drug Association. Brokers, they contend, should limit their activities exclusively to negotiating business locally, and should give up dealing with their foreign or home connections.

Capt. Jesse L. Thompson, who has been Deputy Prohibition administrator at the Newark, N. J., Prohibition enforcement unit, will be in active charge of enforcement work in Newark. Lewis E. Menninger, formerly chief of the unit, will become special investigator of the Newark force. Under the reorganization plans the Newark bureau temporarily will be reduced to four men.

Trade Commissioner Halleck A. Butts, of the Department of Commerce, who will sail May 8 for his post at Tokyo, is open to consultation with exporters and others interested in trade with Japan. Interviews with Mr. Butts may be arranged through district or co-operative offices of the Bureau of Foreign and Domestic Commerce.

Norman W. Henley Publishing Co., 2 West 45th St., New York, has just issued a catalogue of the latest practical, scientific, mechanical and industrial books, in which a considerable number of books of interest to the consuming chemical industry are included.

Prohibition administrators have received a communication from Commissioner of Internal Revenue, David H. Blair, ordering them to execute permit bonds in two exact counterparts instead of ink triplicate.

Stilson Chemical Co. has purchased the plant of the Banner Oil Co., at Rodeo, Cal., and equipment is being installed for the manufacture of sprays, disinfectants, soaps and polishes.

FRENCH NAVAL STORES WEAKEN

(Special to Drug & Chemical Markets)

Washington, D. C., April 19.—French naval stores prices during February suffered a sharp decline as reported to the Department of Commerce by Consul Lucien Memminger, Bordeaux, France. Whereas at the end of January, turpentine was quoted at 830 francs per 100 kilos at station in the Landes, the prices had fallen to 760 francs at the beginning of March.

A significant feature of this decline is that it occurred while the exchange value to the franc continued to depreciate. A weak demand appears to have been the prime reason for the slump in prices. Lack of firmness also characterized the French rosin market. This applies more to the darker grades than the pales, but even for colophanes WW the price had dropped 20 francs per 100 kilos as compared with the prices a month ago (360 francs March 1, instead of 380 francs at the end of January). Colophanes N were quoted at 325 francs, ordinary pale grades at 306 francs, and dark rosin at 300 francs. The total exports of turpentine from France in January, 1926, are reported as 868 metric tons, which brought the total for the nine months since the beginning of the present crop year (May 1, 1925) to a total of 10,299 tons.

BOLL WEEVIL SERIOUS

Poisoning the boll weevil by use of airplanes on an increased scale during the coming season is predicted by Dr. L. O. Howard, Chief of the Bureau of Entomology of the Department of Agriculture. According to Dr. Howard, the calcium arsenate used for dusting is better distributed by airplanes than by ground machinery and less of the poison is required. The method has been tried and proved practical.

A warning has been issued by the Department of Agriculture that the South may expect a serious onslaught from the cotton boll-weevil this year and a vigorous campaign is urged to reduce the damage to the crop. The Department states that during the past two years climatic conditions have been unfavorable to the weevil and heavier crops of cotton have been the result. This period has come to an end, it is stated, and the weevil has returned to its work of destruction to the extent that the Department foresees that unless summer conditions contain some element to retard the advance of the insect, the cotton outturn next Fall will be appreciably affected.

The asbestos merger, which is described as an international financial venture, which has been on the point of being completed for some time, must be effected in Canada or run afoul of the Sherman anti-trust law, it is reported. The merger is said to be uncertain, owing to the conflicting elements involved.

United States Civil Service Examination for minor laboratory apprentice will be held in the near future. Receipt of applications will close May 15. The examination is to fill vacancies in the Bureau of Standards, Department of Commerce, and other branches of the Departmental Service.

Drug & Chemical Patents

Granted April 13, 1926

- 1,580,113—Check-controlled liquid dispensing machine. Jesse T. Bonney, Franklin, Va.
- 1,580,136—Process for bleaching organic materials. Robert Hamburger and Stefan Kaesz, Freudenthal, Czechoslovakia.
- 1,580,137—Manufacture of normal butyric acid from butyl aldehyde. Clarence W. Hancock, assignor to Commercial Solvents Corp., Terre Haute, Ind.
- 1,580,143—Production of esters. David A. Legg and Charles Bogin, assignors to Commercial Solvents Corp., Terre Haute, Ind.
- 1,580,144—Manufacture of butyric acid. David A. Legg and Clarence W. Hancock, assignors to Commercial Solvents Corp., Terre Haute, Ind.
- 1,580,157—Method and apparatus for controlling operations of solvent recovery plants. George G. Oberfell, Tulsa, Okla.
- 1,580,189—Cellulose nitrate composition. Stewart J. Carroll, assignor to Eastman Kodak Co., Rochester, N. Y.
- 1,580,200—Brown-colored insecticide for use on tobacco plants. Henry Howard, assignor to the Grasselli Chemical Co., Cleveland, Ohio.
- 1,580,233—Penetrating oil and lubricant. Howard Norman Copthorne, Winnetka, Ill., assignor to Illinois Graphite Co., Chicago, Ill.
- 1,580,245—Atomizer. Harley Howard Heller, Sound Beach, Conn.
- 1,580,269—Process for regenerating black liquor. Alfred H. White, Ann Arbor, Mich., assignor to John E. Alexander, Port Edwards, Wis. and E. G. Goodell, Stevens Point, Wis.
- 1,580,300—Combined filter and cooler. James E. Howorth, Venice, Calif.
- 1,580,332—Insecticide. George C. Richards, Berkeley, Calif., assignor of one-eighth to Charles J. Graff and one-eighth to Edward Childress, both of Oakland, Calif.
- 1,580,360—Gas liquefying apparatus. Frank W. Andrews, assignor, by mesne assignments, to Superior Refrigeration, Inc., Wapakoneta, Ohio.
- 1,580,372—Apparatus for distilling hydrocarbons. Norton F. W. Havelidine, Los Angeles, Calif.
- 1,580,400—Composition for the treatment of goiter. Paul Bommarito, Detroit, Mich.
- 1,580,424—Magnesium-containing synthetic resin and process of making the same. Carleton Ellis, Montclair, assignor to Ellis-Foster Co.
- 1,580,425—Molding composition containing organomagnesium compounds. Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Co.
- 1,580,451—Manufacture of hydrogen sulphide. Frederick W. Sperr, jr., assignor to the Koppers Co., Pittsburgh, Pa.
- 1,580,452—Recovery of hydrogen sulphide. Frederick W. Sperr, jr., assignor as in the preceding.
- 1,580,460—Apparatus for the manufacture of earth metals. Henri Dolter, Limoges, France.
- 1,580,500—Process of making compressed yeast. Reinhold Kusserow, Oakland, Calif.
- 1,580,501—Liquid measuring device. Victor Lambert, Brooklyn, N. Y., assignor to Aaron M. Sloss, New York, N. Y.
- 1,580,531—Process of desulphurizing petroleum oils. James B. Rath, Brooklyn, N. Y., assignor to Standard Oil Co., New York, N. Y.
- 1,580,550—Process of yeast manufacture. John F. Whoten, Baltimore, Md., assignor to Liberty Yeast Corp. of Maryland.
- 1,580,591—Process of dehydrating oil. Harold C. Eddy, Los Angeles, Cal., assignor to Petroleum Rectifying Co. of California.
- 1,580,592—Injectable homogeneous, oily preparation of bismuth and manufacture of the same. Wilhelm Eichholz and Otto Dalmer, Darmstadt, Germany.
- 1,580,650—Process of separating hafnium and zirconium. Dirk Coster, Haarlem, Netherlands, and Georg von Hevecy, Copenhagen, Denmark, assignors to Naamlooze Vennootschap Philips' Gloeilampen-Fabrieken.
- 1,580,609—Machine for cleaning and opening up asbestos fiber. Henry E. Stevenson, Thetford Mines, Quebec, Canada.
- 1,580,700—Process of producing N-dihydro-1, 2, 1', 2'-anthraquinone-azine and its derivatives. Merville S. Thompson, Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Co., Wilmington, Del.
- 1,580,708—Process of halogenizing perylene. Alois Zinke and Alfred Pongratz, Graz, Austria, assignors to Felice Beusa, Genoa, Italy.
- 1,580,700—Di-acetylacetyl-diamino compounds of the aromatic series and process of making same. Arthur Zitscher and Robert Schmitt, Offenbach-on-the-Main, assignors to Chemische Fabrik Griesheim-Elektron, Frankfurt-on-the-Main, Germany.
- 1,580,710—Method of manufacturing hydrated lime. Charles I. Chubbuck, San Francisco, Calif.
- 1,580,714—Process of producing naphthol-sulphonic acids. Paul H. Fall, Carneys Point, N. J., and Ira E. Lee, Wilmington, Del., assignors to E. I. du Pont de Nemours & Co., Wilmington, Del.
- 1,580,716—Brown copper containing aromatic amine-sulphur dyes and process of making the same. Joseph Flachelaender and Laurie L. Burgess, Wilmington, Del., assignors to E. I. du Pont de Nemours & Co.
- 1,580,729—Device for retaining hernial supporting pads in place. John G. Homan, Steubenville, Ohio.
- 1,580,740—Catalyzing apparatus. David A. Legg and Clarence W. Hancock, assignors to Commercial Solvents Corporation, Terre Haute, Ind.
- 1,580,741—Bottle safety holder. Thomas John Lilly, Montreal, Quebec, Can.
- 1,580,814—Method of hydrating cellulose fibers. Judson A. De Cew, Mount Vernon, N. Y., assignor to Process Engineers, Inc., New York, N. Y.
- 1,580,856—Apparatus for cooling milk and other liquids. Morris L. Quick, Fulton, N. Y.
- 1,580,952—Water-soluble essential oils and perfumes. Friedrich Braunlich, Aussig, Czechoslovakia, assignor of one-half to Emile Bindschedler, Philadelphia, Pa.
- 1,580,956—Process for dehydrating emulsions. William Cameron, Suez, Egypt, assignor to Simplex Refining Co., San Francisco, Calif.
- 1,580,993—Insecticide. Frank W. Barber, Nashville, Tenn.
- 1,580,999—Process of manufacturing yeast. Henry W. Dahlberg, Denver, Colo.
- 1,581,000—Process of manufacturing yeast. Henry W. Dahlberg, Denver, Colo.
- 1,581,001—Process of manufacturing alcohol by fermentation. Henry W. Dahlberg, Denver, Colo., assignor to the Great Western Sugar Co., Denver, Colo.
- 1,581,030—Process of forming sulphate of lead. Stanley Cochran Smith, London, England.
- 1,581,031—Process for making lead sulphate. Stanley Cochran Smith, London, England, assignor of one-half to Frank Edward Elmore, Three Fields, England.
- 1,581,033—Toothbrush rack. George J. Snyder, Jersey City, N. J.
- 1,581,068—Jar protector. Aletha A. Hoese, Wynot, Nebr.
- 1,581,074—Paste dispensing device. Thomas Mott Macfarland, Englewood, N. J.

The Mathieson Alkali Works, Inc., 250 Park Ave., New York, has arranged a special fund of \$500,000 for the replacement of obsolete equipment at its various plants over a term of months. The company operates factories at Niagara Falls, N. Y., Newark, N. J., and Saltville, Va. An expansion program is now under way at the last noted works for considerable increase in capacity, including the installation of additional machinery.

The Tannin Corporation, 100 East Forty-second St., New York, is said to have tentative plans under advisement for the erection of a new local plant on waterfront site soon to be selected. It is proposed to construct a group of multi-story buildings to cost more than

\$400,000, with equipment. Emmett B. Carter is company engineer.

The Borne-Scrymser Co., South Front st., Bayway, Elizabeth, N. J., manufacturer of greases, oils, etc., has plans for three new additions, consisting of a four-story grease factory, 40 by 50 ft., to cost about \$40,000; steam power house, 38 by 68 ft., to cost \$23,000; and two-story barrel plant, 50 by 75 ft., to cost \$30,000. A contract for buildings only has been awarded to the Wighton-Abbott Corp., 552 West Twenty-third st., New York.

Kuttroff Pickhardt & Co., New York, have purchased a five-story factory and warehouse building at 13 Vestry st., New York, measuring 30 by 175 ft. The property was held by the Fleming Estate at \$120,000.

Contracts Awarded

F. J. Lewis Mfg. Co., has been awarded a government contract for 2,000 lbs. of flake naphthalene at 6.49c.

Terminal Supply Co., New York, has been awarded a government contract for 3,000 gals. of benzol at 34.3c.

Harshaw, Fuller & Goodwin Co., Philadelphia, Pa., has been awarded a government contract for sal ammoniac at 12c per lb.

Jefferson Island Salt Mining Co., Louisville, Ky., has been awarded a government contract for 30 tons of salt at \$9.80 per ton.

Roessler & Hasslacher Chemical Co. has been awarded a government contract for 10,000 lbs. of tri-sodium phosphate for \$438, for the government printing office.

Delta Chemical & Iron Works, Wells, Mich., has been granted a Government contract for 1,000 gals. of acetone and 4,000 gals. of methyl-acetone.

Eagle Picher Lead Co., New York, has been awarded a government contract for 1,200 lbs. of litharge at 12.1c per lb.

Monite Waterproof Glue Co., Minneapolis, Minn., has been awarded a government contract for 2,500 lbs. of casein glue at 11½c a lb.

Hobs Laboratories, Union City, N. J., has been awarded a government contract for 2,000 sulfur candles at 7½c each.

Superior Chemical Co., Joliet, Ill., has been awarded a government contract for 50,000 lbs. lime alumina sulfate in sacks at 1.315c per lb.

The Medical Section, Brooklyn Navy Yard, has awarded a large number of contracts for drugs and fine chemicals.

Binney & Smith Co., New York, has been awarded a government contract by the Bureau of Engraving & Printing, Washington, for 600 lbs. of carbon black at 27c lb.

Delaney & Co. has been awarded a government contract for 5,000 lbs. of ground gelatin glue at 14.78c and Thompson, Weinman & Co., Inc., have been awarded a contract for one carload of Paris white at .7c per lb.

Winthrop Chemical Co. has been awarded a government contract for 250 cartons of luminol at \$2.75 a carton and H. K. Mulford Co. has been awarded a contract for 200 bottles of ovarian substances at 25c by the quarter-master of the Brooklyn Medical Section.

Titanine, Inc., Union, N. J., has been awarded a government contract for 10,000 gals. of pigmented nitrite dope at \$1.40½ and 800 gals. of the same at \$1.48½ and Perry Austin Mfg. Co., Grassmere, New York, has been awarded a contract for 5,060 gals. of cellulose acid dope at \$1.19½ for the air service, Washington, D. C.

The following contracts for chemicals have been awarded by the Bureau of Supplies, Treasury Department, Washington, D. C.: Shoemaker & Busch, Philadelphia, Pa. 500 lbs. sodium chlorate, \$36.25; Aubrey Bartlett, 1,000 lbs. cyanegg at \$213; Niagara Sprayer Co., 10,000 lbs. sulfur roll at \$230; and Stauffer Chemical Co., 6,000 lbs. sulfuric acid at \$60.

CHEMICAL EQUIPMENT EXPOSITION IN MAY

Herbert H. Dow, C. H. Herty, Major-General Fries, Newton D. Baker and Many Others Will Address Gathering at Cleveland—Unusual Technical Sessions Will Cover Wide Scope

The Second Chemical & Process Engineering Exposition will be held in the Public Hall, Cleveland, May 10 to 15. A remarkable week's program of technical sessions sponsored by Associated Technical Societies of Cleveland will occur in conjunction with the exposition.

Addresses will be given by men nationally prominent in the chemical and other fields. Herbert H. Dow, president of Dow Chemical Co. will speak on "Diphenyl Oxide Bi-Fluid Power." Charles H. Herty, president of Synthetic Organic Chemical Manufacturers' Association, will deliver an address, as will Major-General Fries, of Chemical Warfare Service, and Newton D. Baker.

Other speakers and the titles of their papers are as follows: F. J. Vosburg, National Carbon Co.; A. E. Marshall, Consulting Engineer, "Corrosion Problems in the Heavy Chemical Industry"; F. A. Ernst, Fixed Nitrogen Research Laboratory, U. S. Department of Agriculture, "Some Equipment Suggestions for High Pressure Reactions"; Dr. Weston A. Price, Dental Research Laboratory, "Some Chemical Aspects of the Relation of Light to Life and Health"; Dr. Hugh Taylor, Professor, Physical Chemistry, Princeton University; M. C. Lake, Geologist, M. A. Hanna Co., "Probable Life of Our Merchantable Ores"; E. W. Davis, University of Minnesota, School of Mines, "Development of New Methods for Iron Ore Treatment"; Colin G. Fink, Professor of Chemical Engineering, Columbia University, "Electro Deposition of Chromium and Chromium Alloys on Brass and Steel"; W. M. Corse, The Duriron Co., "Alcumite—an Acid Resisting Bronze"; H. E. Ebright, Chief Engineer, Ferro Enameling Co., "Refractories as Adapted to the Ceramic Industry"; Maurice A. Knight, "Use of Acid Proof Stoneware in the Chemical Industry"; R. G. Cowan, Pres., Cowan Potteries, "Art in the Ceramic Industry"; A. O. Miller, Reeves Bros., "Welding of Large Chemical Equipment"; B. W. Rogers, Linerite Division, B. F. Goodrich Rubber Co., "Rubber Lining for Grinding Mills and Other Chemical Equipment."

MARCH EXPORTS DOWN, IMPORTS HIGHER

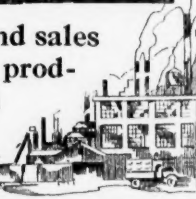
(Special to Drug & Chemical Markets)

Washington, D. C., April 21—March exports decreased and imports increased quite materially, according to a statement just made public by the Department of Commerce. The exports for March were valued at \$375,000,000 as compared with \$453,652,842 for the same month of last year while March imports were valued at \$445,000,000 as compared with \$385,378,617 for the same month of last year. In other words, the value of the excess of imports over exports for March was \$70,000,000.

The department's figures show also that for the nine months ending March the value of exports was \$3,671,640,242 as compared with \$3,772,033,611 for the same period of last year, while the value of the imports for the nine months ending March was \$3,413,089,200, compared with \$2,825,302,963 for the same period of last year. The value of the excess of exports over imports for the nine months ending March this year was \$258,551,042 as compared with \$946,730,648 for the same period of last year.

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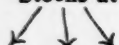
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SPANISH CHEMICAL PRODUCTION FIGURES

Tonnages of Mineral Acids, Ammonia, Sulfur, Benzene, Calcium Chloride and Sodium Salts Increased in 1924 —Figures for Barium Salts, Calcium Carbide, Caustic Soda, and Copper Sulfate Decreased

Spanish production of hydrochloric, nitric and sulfuric acids, tar, ammonia, sulfur, benzene, sodium bicarbonate, potassium chlorate, calcium chloride, naphthalene, ocher, iron oxide, ammonium sulfate, sodium sulfate and superphosphates all increased in 1924 as compared with 1923, according to "Ingenieria Revista Industrial." A decrease is reported in production of white lead, alum, pitch, calcium carbide, barium chloride, creosote, barium hydrate, red lead, caustic soda, barium sulfate, and copper sulfate.

Hydrochloric acid production rose to 1,561 tons, valued at 260,727 pesetas in 1924. The market fluctuated from 130 to 202 pesetas per ton. Nitric acid production totaled 835 tons, valued at 792,700 pesetas, and the value was from 750 to 1,500 pesetas per ton. There are 11 sulfuric acid factories in Spain, which produced 229,700 tons, valued at 32,729,000 pesetas, with a market from 100 to 224 pesetas. Approximately 106,000 tons of pyrites and 1,500 tons of sodium nitrate were consumed in the manufacture of the acid.

There are two white lead factories, one of which employs 111 operators and has a total output of 1,483,175 kilos. The price has fluctuated from 1,300 to 1,480 pesetas per ton.

Synthetic ammonia was introduced in 1924 with a production of 210 tons. Sulfur manufactured in 1924 was valued at 5,029,769 pesetas, among which were 5,758 tons of flowers, 4,790 tons of ground, 7,897 tons of lump, and 131 tons of stick. Benzene produced in 1924 totaled 7,172 tons, valued at 3,105,047 pesetas. Sodium bicarbonate production totaled 2,988 tons, valued at 866,-

520 pesetas; and sodium carbonate 37,180 tons, valued at 9,295,000 pesetas.

Potassium chlorate production totaled 904 tons, valued at 545,643 pesetas. Barium chloride totaled 165 tons, valued at 76,329 pesetas. Barium hydroxide totaled 29 tons, valued at 18,394 pesetas. Calcium chloride 6,800 tons, valued at 2,076,000 pesetas.

Caustic soda production decreased to 30,692 tons in 1924, against 33,174 tons in 1923. Copper sulfate production in 1924 totaled 7,357,539 tons, valued at 8,895,697 pesetas. Sodium sulfate production totaled 7,045 tons, valued at 56,679 pesetas.

INSECTICIDE MAKERS OPPOSE GRIEST BILL

Insecticide and Disinfectant Manufacturers' Association is urging its members to write to their Congressmen of their opposition to the Griest caustic acid bill that has passed the Senate. The association is endeavoring to have the bill either killed or amended so that the word "cresol" is deleted. The association points out that if the bill passes in its present form, all products that contain cresol in a concentration of 2 per cent or more, including disinfectants, sheep dips, cresylic acid, animal sprays and creosote oil, will have to be labeled "poison," and must be sold through registered druggists.

C. D. McClary, manager of the Pittsburgh distributing branch of the Graybar Electric Co., has been made manager of the Philadelphia distributing branch. Mr. McClary has been in the employ of the Western Electric Co. since 1907. J. F. Davis was made manager of the Pittsburgh branch, succeeding Mr. McClary and has been associated with the Western Electric Co. since 1911.

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BIDS are wanted on dates indicated by the bureau of supply, Treasury Department, Washington, for miscellaneous supplies for federal buildings under control of the Treasury Department:

Opening of April 23

Cir. 4516, 7,000 lbs. hydrochloric acid and 500 lbs. sodium chlorate.

Cir. 4543, 50,000 lbs. hydrochloric acid and 12,000 lbs. sodium cyanide.

MEDICAL & HOSPITAL SUPPLIES—Sealed bids are wanted until May 12 by the commissioner of Indian affairs, 310 Elm St., St. Louis, for the annual supply of medicines, acids, extracts, tablets, elixirs, oils, pills, tinctures, drugs, chemicals, alcohol, instruments, bandages, disinfectants, dentifrices, rubber goods, and miscellaneous hospital stores, under class 18.

BIDS are wanted by the Bureau of Supplies & Accounts, Navy Department, Washington, as follows: Sched. 5249, various yards, Muratic acid, Nitric acid, Sulphuric acid, and Hydrofluoric acid, opening of April 27.

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CHEMIST. Ph. Dr. who has an extensive practical and theoretical experience in the manufacturing of important Pharmaceutical Products, seeks financial partner. Long years of experience in one of the largest factories in Europe guarantees success. Box 433, DRUG & CHEMICAL MARKETS.

Business Opportunities

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PURCHASING agent 15 years experience in buying complete line of industrial and pharmaceutical chemicals, as well as vegetable and animal oils for large consuming firms desires to make new connection. Knows all sources of supply and market conditions. Box 444, DRUG & CHEMICAL MARKETS.

CHEMICAL ENGINEER—Production, maintenance or Sales, excellent record of achievement, marked executive ability, available about May 1st. Box 448, DRUG & CHEMICAL MARKETS.

CHEMICAL engineer, 22 years experience designing and operating on copper, sulphuric acid, alkali, synthetic ammonia, much research and operating experience on Southern cut over lands waste, three years selling experience, wants to connect with a firm of consultants. Good personality and best of references. Box 428, DRUG & CHEMICAL MARKETS.

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Help Wanted

ESSENTIAL OILS—One of the leading brokers would be interested in securing the services of a man fully versed in this line. Reply will be kept strictly confidential. Box 439, DRUG & CHEMICAL MARKETS.

ANALYTICAL CHEMIST, male, wanted in an industrial laboratory for inorganic analytical work. Answer stating qualifications and salary expected. Pittsburgh Plate Glass Co., Barberton, Ohio.

HEAVY chemical manufacturers have opening for young salesman New Jersey territory. State age, experience, and salary expected. Box 435, DRUG & CHEMICAL MARKETS.

CHEMIST who has had actual manufacturing experience in specialty dyestuffs and those which are not so competitive. State list of dyes and intermediates manufactured. Box 440, DRUG & CHEMICAL MARKETS.

SALESMAN wanted by well established firm for New York and vicinity. One acquainted with paint and rubber manufacturers preferred, selling colors, pigments, chemicals. Write giving experience and salary expected. Box 428, DRUG & CHEMICAL MARKETS.

BRANCH MANAGERS—Heavy Chemical manufacturer discontinuing sales through agencies seeks capable and reliable men for direction of small sales staffs and branch offices in New England, Middle West and South. Only experienced men of highest standing who write fully in strict confidence will be considered. Salary and liberal commission on all sales in territory above quotas based on present volume. Box 413, DRUG & CHEMICAL MARKETS.

Help Wanted

BOOKKEEPER—One capable of keeping entire set of books. Familiar with Paint Trade, Raw Materials, and Chemicals. Female preferred. State age, experience and salary expected. Box 446, DRUG & CHEMICAL MARKETS.

THE PROCESS DIVISION of the Atlantic Refining Company, located in Philadelphia, has several openings in organic research, and plant development work for chemists, chemical engineers and mechanical engineers of from one to three years' practical experience, not necessarily in petroleum. Graduate work will be considered as a substitute for practical experience. Applicants must be graduates of recognized technical colleges. Please tabulate reply, giving details as to age, marital state, nationality, education (schools attended and degrees obtained) experience—(names of companies, type of work and reasons for leaving), references. We should appreciate receiving snap shot or other photograph of the applicant, which will be returned if desired. Application should be typed if possible, and addressed to "Office Personnel Division, The Atlantic Refining Company, 260 South Broad street, Philadelphia, Penna."

Miscellaneous

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Miscellaneous

CHEMICAL PERIODICALS—Chemical Abstracts, Chemical Journals, London; Journal Society of Chemical Industry; Bulletin Societe de Chemie. We have for sale back copies of domestic and foreign publications. Address "B. Login & Son, 29 East 21st St., New York City."

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DRYER WANTED—Preferably Gordon to take trays size 39½" wide. Must be in good condition and cheap. Address Box 394, DRUG & CHEMICAL MARKETS.

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MACHINERY WANTED—In the market to purchase pharmaceutical manufacturing equipment such as bottle filling machine, mixing tank, pump, bottle washer, percolators, ointment filling machine, laboratory glassware, and other manufacturing equipment; in reply give prices and descriptions. Address Box 313, DRUG & CHEMICAL MARKETS.

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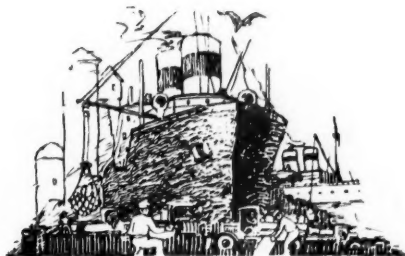
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